

2026 / LIFE SCIENCE COLLECTION

Tools for life science.

Product Catalog

From nucleic acid purification to protein analysis,
cell culture and laboratory reagents.

195

PRODUCT GROUPS

333

CATALOG VARIANTS

9

CATEGORIES

Explore the collection

195 product groups. Nine categories.

CATEGORY	GROUPS / VARIANTS	PAGE
Nucleic Acid Purification	28 / 29	3
PCR & Gel Electrophoresis	18 / 43	32
Gene Expression	14 / 25	51
Western Blotting	47 / 87	66
Cell Culture	24 / 36	114
Chemicals	36 / 77	139
Enzymes	18 / 25	176
Plasmids	9 / 9	195
Buffers	1 / 2	205

Using this catalog

Products are listed alphabetically within each category. Catalog numbers and QR codes open the corresponding product listings. An alphabetical catalog-number index follows the product pages.

01 / COLLECTION

Nucleic Acid Purification



28 product groups

29 catalog variants

Explore the products in this collection

ClearBand

1x Red Blood Cell Lysis Buffer

- Molecular biology grade ammonium chloride in ultrapure water.
- Rapid red blood cell lysis with little to no effect on leukocytes.
- Ready to use.



Applications

It is formulated for effective and quick lysis of red blood cells with little to no effect on leukocytes.

Ordering options

CATALOG NO.	PACK SIZE
RBCLB01	100 mL
RBCLB05	500 mL

Storage

Store between 2°C and 8°C.

Shipping

Ship at ambient temperature.

Product details & documents

[ecotechbiotech.com/ RBCLB01 / RBCLB05](https://ecotechbiotech.com/RBCLB01/RBCLB05)



ClearBand

3M Potassium Acetate

- ClearBand Potassium Acetate, 3M pH 5.5 Ready-to-use Solution is prepared using molecular biology grade potassium acetate in ultrapure water.
- ClearBand Potassium Acetate, 3M pH 5.5 Ready-to-use Solution is 0.22 µm filter sterilized and suitable for purification and precipitation of nucleic acids.
- It can be used also for precipitating dodecyl sulfate (DS) and DS-bound proteins allowing the removal of proteins from DNA.



Applications

It can be used also for precipitating dodecyl sulfate (DS) and DS-bound proteins allowing the removal of proteins from DNA.

Ordering options

CATALOG NO.	PACK SIZE
PA100	100 mL

Storage

Store between 2°C and 8°C.

Shipping

Ship at ambient temperature.

Product details & documents

ecotechbiotech.com/PA100



ClearBand

Red Blood Cell Lysis Buffer (10X)

- ClearBand 10x Red Blood Cell Lysis Buffer is prepared using molecular biology grade ammonium chloride in ultrapure water.
- For effective and quick lysis of red blood cells with little to no effect on leukocytes.
- ClearBand 10x Red Blood Cell Lysis Buffer should be diluted in double-distilled water prior to use.



Applications

It is formulated for effective and quick lysis of red blood cells with little to no effect on leukocytes.

Ordering options

CATALOG NO.	PACK SIZE
RBCLB-10X	100 mL

Storage

Store between 2°C and 8°C.

Shipping

Ship at ambient temperature.

Product details & documents

[ecotechbiotech.com/ RBCLB-10X](https://ecotechbiotech.com/RBCLB-10X)



ClearBand

RNAintact, RNA stabilization solution

- Prepared using molecular biology grade reagents in ultrapure water.
- ClearBand RNAintact penetrates tissues and cells rapidly and allows stabilization and protection of cellular RNA in unfrozen fresh specimens at room temperature.
- ClearBand RNAintact does not necessitate immediate processing of samples for RNA isolation or freezing of samples in liquid nitrogen for further processing.
- The integrity of the RNA content of the cells and tissue pieces that are immediately immersed in ClearBand RNAintact is maintained.



Sample / input

Fresh tissues and cells.

Ordering options

CATALOG NO.	PACK SIZE
R100	100 mL

Storage

Store between 15°C and 25°C.

Shipping

Ship at ambient temperature.

Product details & documents

ecotechbiotech.com/R100



ClearBand

TRUEzol LS Reagent

- A ready-to-use reagent composed of phenol and a mixture of other components for the isolation of high-quality total RNA from various liquid biological materials of human, animal, plant, yeast, bacterial, and viral origin.
- Not suitable for use with whole blood.



Applications

This product is not suitable for use with whole blood.

Sample / input

Liquid biological material of human, animal, plant, yeast, bacterial or viral origin. Not suitable for whole blood.

Ordering options

CATALOG NO.	PACK SIZE
TRL100	100 mL

Storage

Store at room temperature.

Shipping

Ship at ambient temperature.

Product details & documents

ecotechbiotech.com/TRL100



ClearBand TRUEzol Reagent

- A ready-to-use reagent composed of phenol and a mixture of other components for the isolation of high-quality total RNA from various biological materials including animal and plant tissues, cells and bacteria.



Sample / input

Animal and plant tissues, cells and bacteria.

Ordering options

CATALOG NO.	PACK SIZE
TR100	100 mL

Storage

Store between 2°C and 8°C.

Shipping

Ship at ambient temperature.

Product details & documents

[ecotechbiotech.com/ TR100](https://ecotechbiotech.com/TR100)



EcoPURE

BYF Genomic DNA Kit

- EcoPURE Bacterial/Yeast/Fungi Genomic DNA Kit is designed for simple, convenient purification of high-quality genomic DNA from Gram-negative and Gram-positive bacterial cells, yeast, and fungi.
- This kit utilizes chaotropic ions and silica-based membrane technology, eliminating the need for expensive resins, hazardous phenol-chloroform extractions, or time-consuming alcohol precipitation.
- The standard protocol lasts less than 25 minutes and purified DNA can be used directly in PCR, qPCR, sequencing and enzymatic reactions.



Applications

The standard protocol lasts less than 25 minutes and purified DNA can be used directly in PCR, qPCR, sequencing and enzymatic reactions.

Sample / input

Gram-negative and Gram-positive bacteria, yeast and fungi.

Ordering options

CATALOG NO.

PACK SIZE

E1085

50 rxn

Storage

Store the kit between 15°C and 25°C. Store Proteinase K at -20°C. Store RNase A at -20°C.

Shipping

Ship at ambient temperature. RNase A and Proteinase K are supplied in a separate package.

Product details & documents

ecotechbiotech.com/E1085



EcoPURE

Genomic DNA Kit

- Designed for simple, convenient purification of high-quality genomic DNA from various samples including whole blood, cultured cells, frozen or fresh tissues, rodent tails, yeast, Gram-positive or Gram-negative bacteria, insects, dried blood spots, and buccal swabs.
- This kit utilizes chaotropic ions and silica-based membrane technology, eliminating the need for expensive resins, hazardous phenol-chloroform extractions, or time-consuming alcohol precipitation.
- The standard protocol lasts less than 25 minutes and purified DNA can be used directly in PCR, qPCR, sequencing and enzymatic reactions.



Applications

The standard protocol lasts less than 25 minutes and purified DNA can be used directly in PCR, qPCR, sequencing and enzymatic reactions.

Ordering options

CATALOG NO.	PACK SIZE
E1075	50 rxn

Storage

Store the kit between 15°C and 25°C. Store Proteinase K at -20°C. Store RNase A at -20°C.

Shipping

Ship at ambient temperature. RNase A and Proteinase K are supplied in a separate package.

Product details & documents

ecotechbiotech.com/E1075



EcoPURE

PCR/Gel Purification Kit

- This product combines 2 kits in 1.
- For effective and fast purification of polymerase chain reaction (PCR) products.
- Using this kit, primer dimers, free nucleotides in the reaction, salts, and Taq polymerase can be easily removed.
- This kit is also suitable for purification of nucleic acids from reactions including restriction digestion, alkaline phosphatase treatment, or kinase reactions.



Applications

It is designed for effective and fast purification of polymerase chain reaction (PCR) products.

Ordering options

CATALOG NO.	PACK SIZE
E5003	50 rxn

Storage

Store the kit between 15°C and 25°C.

Shipping

Ship at ambient temperature.

Product details & documents

[ecotechbiotech.com/ E5003](https://ecotechbiotech.com/E5003)



EcoPURE

Total RNA Kit

- Designed for simple, convenient purification of high-quality total RNA including small RNAs (e.g. microRNAs) from whole blood, cultured cells, and frozen or fresh tissues.
- This kit utilizes chaotropic ions and silica-based membrane technology, eliminating the need for expensive resins, hazardous phenol-chloroform extractions, β -mercaptoethanol, or time-consuming alcohol precipitation.
- The standard protocol lasts less than 10 minutes at room temperature and purified RNA can be effectively used in routine downstream applications including cDNA synthesis, northern blotting, differential display, primer extension, and mRNA selection.



Applications

This product is designed for simple, convenient purification of high-quality total RNA including small RNAs (e.g. microRNAs) from whole blood, cultured cells, and frozen or fresh tissues.

Sample / input

Whole blood, cultured cells, and fresh or frozen tissues; includes small RNAs.

Ordering options

CATALOG NO.

PACK SIZE

E2075

50 rxn

Storage

Store the kit between 15°C and 25°C.

Shipping

Ship at ambient temperature.

Product details & documents

[ecotechbiotech.com/ E2075](https://ecotechbiotech.com/E2075)



EcoPURE

Total RNA Micro Kit

- Designed for simple, convenient purification of high-quality total RNA including small RNAs (e.g. microRNAs) from cultured cells and frozen or fresh tissues.
- This kit utilizes chaotropic ions and silica-based membrane technology, eliminating the need for expensive resins, hazardous phenol-chloroform extractions, β -mercaptoethanol, or time-consuming alcohol precipitation.
- The standard protocol lasts less than 10 minutes at room temperature and purified RNA can be effectively used in routine downstream applications including cDNA synthesis, northern blotting, differential display, primer extension, and mRNA selection.



Applications

This product is designed for simple, convenient purification of high-quality total RNA including small RNAs (e.g. microRNAs) from cultured cells and frozen or fresh tissues.

Sample / input

Cultured cells and fresh or frozen tissues; includes small RNAs.

Ordering options

CATALOG NO.

PACK SIZE

E2416

50 rxn

Storage

Store the kit between 15°C and 25°C.

Shipping

Ship at ambient temperature.

Product details & documents

ecotechbiotech.com/E2416



EcoSpin

Bacterial Genomic DNA Kit

- Designed for simple, convenient purification of high-quality genomic DNA from Gram-negative and Gram-positive bacterial cells.
- This kit utilizes chaotropic ions and silica-based membrane technology, eliminating the need for expensive resins, hazardous phenol-chloroform extractions, or time-consuming alcohol precipitation.
- The standard protocol lasts less than 25 minutes and purified DNA can be used directly in PCR, qPCR, sequencing and enzymatic reactions.



Applications

The standard protocol lasts less than 25 minutes and purified DNA can be used directly in PCR, qPCR, sequencing and enzymatic reactions.

Sample / input

Gram-negative and Gram-positive bacterial cells.

Ordering options

CATALOG NO.

PACK SIZE

E1050

50 rxn

Storage

Store the kit between 15°C and 25°C. Store Proteinase K at -20°C.

Shipping

Ship at ambient temperature.
Proteinase K is supplied in a separate package.

Product details & documents

ecotechbiotech.com/E1050



EcoSpin

Blood Genomic DNA Kit

- Designed for simple, convenient purification of high-quality genomic DNA from whole blood.
- This kit utilizes chaotropic ions and silica-based membrane technology, eliminating the need for expensive resins, hazardous phenol-chloroform extractions, or time-consuming alcohol precipitation.
- The standard protocol lasts less than 25 minutes and purified DNA can be used directly in PCR, qPCR, Southern blotting and enzymatic reactions.



Applications

This product is designed for simple, convenient purification of high-quality genomic DNA from whole blood.

Sample / input

Whole blood.

Ordering options

CATALOG NO.

PACK SIZE

EcoBGD-50x

50 rxn

Storage

Store the kit between 15°C and 25°C. Store Proteinase K at -20°C. Store RNase A at -20°C.

Shipping

Ship at ambient temperature. RNase A and Proteinase K are supplied in a separate package.

Product details & documents

ecotechbiotech.com/EcoBGD-50x



EcoSpin

Blood Total RNA Kit

- Designed for simple, convenient purification of high-quality total RNA including small RNAs (e.g. microRNAs) from whole blood up to 7 mL.
- This kit utilizes chaotropic ions and silica-based membrane technology, eliminating the need for expensive resins, hazardous phenol-chloroform extractions, β -mercaptoethanol, or time-consuming alcohol precipitation.
- The standard protocol lasts less than 40 minutes at room temperature and purified RNA can be effectively used in routine downstream applications including cDNA synthesis, northern blotting, differential display, primer extension, and mRNA selection.



Applications

This product is designed for simple, convenient purification of high-quality total RNA including small RNAs (e.g. microRNAs) from whole blood up to 7 mL.

Sample / input

Whole blood, up to 7 mL.

Ordering options

CATALOG NO.

PACK SIZE

E2090

50 rxn

Storage

Store the kit between 15°C and 25°C. Store EcoSpin RBCL Buffer at 4-8°C upon receipt.

Shipping

Ship at ambient temperature.

Product details & documents

ecotechbiotech.com/E2090



EcoSpin

Cell Genomic DNA Kit

- Designed for simple, convenient purification of high-quality genomic DNA from cultured cells.
- This kit utilizes chaotropic ions and silica-based membrane technology, eliminating the need for expensive resins, hazardous phenol-chloroform extractions, or time-consuming alcohol precipitation.
- The standard protocol lasts less than 25 minutes and purified DNA can be used directly in PCR, qPCR, sequencing and enzymatic reactions.



Applications

This product is designed for simple, convenient purification of high-quality genomic DNA from cultured cells.

Sample / input

Cultured cells.

Ordering options

CATALOG NO.

PACK SIZE

E1055

50 rxn

Storage

Store the kit between 15°C and 25°C. Store Proteinase K at -20°C. Store RNase A at -20°C.

Shipping

Ship at ambient temperature. RNase A and Proteinase K are supplied in a separate package.

Product details & documents

ecotechbiotech.com/E1055



EcoSpin

FFPE Genomic DNA Kit

- Designed for simple, convenient purification of genomic DNA from formalin-fixed, paraffin-embedded (FFPE) tissue materials.
- Each isolation procedure is suitable for isolation of genomic DNA from up to 5 freshly cut sections of up to 20 µm thick from the interior of an FFPE tissue block.



Applications

This product is designed for simple, convenient purification of genomic DNA from formalin-fixed, paraffin-embedded (FFPE) tissue materials.

Sample / input

FFPE tissue: up to 5 freshly cut sections, up to 20 µm thick; up to 250 mm² total surface area.

Ordering options

CATALOG NO.

PACK SIZE

E3095

50 rxn

Storage

Store the kit between 15°C and 25°C. Store Proteinase K at -20°C. Store RNase A at -20°C.

Shipping

Ship at ambient temperature. RNase A and Proteinase K are supplied in a separate package.

Product details & documents

ecotechbiotech.com/E3095



EcoSpin

FFPE Total RNA Kit

- Designed for simple, convenient purification of total RNA from formalin-fixed, paraffin-embedded (FFPE) tissue materials.
- Each isolation procedure is suitable for isolation of total RNA from up to 5 freshly cut sections of up to 20 µm thick from the interior of an FFPE tissue block.



Applications

This product is designed for simple, convenient purification of total RNA from formalin-fixed, paraffin-embedded (FFPE) tissue materials.

Sample / input

FFPE tissue: up to 5 freshly cut sections, up to 20 µm thick.

Ordering options

CATALOG NO.

PACK SIZE

E2095

50 rxn

Storage

Store the kit between 15°C and 25°C. Store Proteinase K at -20°C.

Shipping

Ship at ambient temperature. Proteinase K is supplied in a separate package.

Product details & documents

ecotechbiotech.com/E2095



EcoSpin

Gel Purification Kit

- Designed for effective and fast purification of polymerase chain reaction (PCR) products.
- Using this kit, primer dimers, free nucleotides in the reaction, salts, and Taq polymerase can be easily and effectively removed.



Applications

This product is designed for effective and fast purification of polymerase chain reaction (PCR) products.

Ordering options

CATALOG NO.	PACK SIZE
EcoGP-50x	50 rxn

Storage

Store the kit between 15°C and 25°C.

Shipping

Ship at ambient temperature.

Product details & documents

ecotechbiotech.com/EcoGP-50x



EcoSpin

Insect Genomic DNA Kit

- Designed for simple, convenient purification of high-quality genomic DNA from 30-50 mg of insect material.
- This kit utilizes chaotropic ions and silica-based membrane technology, eliminating the need for expensive resins, hazardous phenol-chloroform extractions, or time-consuming alcohol precipitation.
- The standard protocol lasts less than 30 minutes and purified DNA can be used directly in PCR, qPCR, sequencing and enzymatic reactions.



Applications

This product is designed for simple, convenient purification of high-quality genomic DNA from 30-50 mg of insect material.

Sample / input

30-50 mg insect material.

Ordering options

CATALOG NO.

PACK SIZE

E1080

50 rxn

Storage

Store the kit between 15°C and 25°C. Store Proteinase K at -20°C. Store RNase A at -20°C.

Shipping

Ship at ambient temperature. RNase A and Proteinase K are supplied in a separate package.

Product details & documents

ecotechbiotech.com/E1080



EcoSpin

Liquid Sample Total RNA Kit

- Designed for simple, convenient purification of high-quality total RNA from 250 µL of liquid sample, such as saliva, serum, plasma or urine.



Applications

This product is designed for simple, convenient purification of high-quality total RNA from 250 µL liquid sample such as saliva, serum, plasma, urine etc.

Sample / input

250 µL liquid sample, including saliva, serum, plasma or urine.

Ordering options

CATALOG NO.

PACK SIZE

E4075

50 rxn

Storage

Store the kit between 15°C and 25°C. Store EcoSpin LS Lysis/Binding Buffer at 4-8°C upon receipt.

Shipping

Ship at ambient temperature. LS Lysis/Binding Buffer is supplied in a separate box.

Product details & documents

[ecotechbiotech.com/ E4075](https://ecotechbiotech.com/E4075)



EcoSpin

PCR Purification Kit

- Designed for effective and fast purification of polymerase chain reaction (PCR) products.
- Using this kit, primer dimers, free nucleotides in the reaction, salts, and Taq polymerase can be easily removed.
- This kit is also suitable for purification of nucleic acids from reactions including restriction digestion, alkaline phosphatase treatment, or kinase reactions.



Applications

This product is designed for effective and fast purification of polymerase chain reaction (PCR) products.

Ordering options

CATALOG NO.	PACK SIZE
EcoPP-50x	50 rxn

Storage

Store the kit between 15°C and 25°C.

Shipping

Ship at ambient temperature.

Product details & documents

ecotechbiotech.com/EcoPP-50x



EcoSpin

PCR Purification Micro Kit

- Designed for effective and fast purification of polymerase chain reaction (PCR) products.
- Using this kit, primer dimers, free nucleotides in the reaction, salts, and Taq polymerase can be easily removed.
- This kit is also suitable for purification of nucleic acids from reactions including restriction digestion, alkaline phosphatase treatment, or kinase reactions.



Applications

This product is designed for effective and fast purification of polymerase chain reaction (PCR) products.

Ordering options

CATALOG NO.	PACK SIZE
E2525	50 rxn

Storage

Store the kit between 15°C and 25°C.

Shipping

Ship at ambient temperature.

Product details & documents

ecotechbiotech.com/E2525



EcoSpin

Plant Total RNA Kit

- Designed for simple, convenient purification of high-quality total RNA from up to 300 mg of plant material.



Applications

This product is designed for simple, convenient purification of high-quality total RNA from up to 300 mg of plant material.

Sample / input

Up to 300 mg plant material.

Ordering options

CATALOG NO.

PACK SIZE

E2096

50 rxn

Storage

Store the kit between 15°C and 25°C. Store EcoSpin Lysis/Binding Buffer at 4–8°C upon receipt.

Shipping

Ship at ambient temperature. Lysis/Binding Buffer is supplied in a separate box.

Product details & documents

ecotechbiotech.com/E2096



EcoSpin

Plasmid Isolation Kit

Method	Silica membrane with column activation
Protocol time	Less than 25 minutes
Yield	Up to 20 µg plasmid DNA
Kit component	12 mL Activation Buffer included



Applications

Plasmid and cosmid DNA purification. Yield depends on plasmid copy number and culture medium.

Sample / input

Recombinant E. coli culture: 1-5 mL; OD600 1.5-5.

Ordering options

CATALOG NO.	PACK SIZE
EcoPI-50x	50 rxn

Storage

Kit: 15-25°C. RNase A: -20°C.

Shipping

Ambient temperature.
RNase A is supplied in a separate package.

Product details & documents

ecotechbiotech.com/EcoPI-50x



EcoSpin

Plasmid Isolation MAXI Kit

- EcoSpin Plasmid Isolation Maxi Kit is designed for simple, convenient purification of high-quality plasmid DNA from recombinant E. coli cultures.
- This kit utilizes chaotropic ions and silica-based membrane technology, eliminating the need for time-consuming alcohol precipitation.
- The standard protocol lasts less than 60 minutes.
- The kit can be effectively used for purification of plasmids of any size and cosmids.



Applications

The kit can be effectively used for purification of plasmids of any size and cosmids.

Sample / input

Recombinant E. coli cultures; plasmids and cosmids.

Ordering options

CATALOG NO.	PACK SIZE
MXP1050	10 rxn

Storage

Store the kit between 15°C and 25°C. Store RNase A at -20°C.

Shipping

Ship at ambient temperature.
RNase A is supplied in a separate package.

Product details & documents

[ecotechbiotech.com/ MXP1050](https://ecotechbiotech.com/MXP1050)



EcoSpin

Plasmid Isolation Midi Kit

- Designed for simple, convenient purification of high-quality plasmid DNA from recombinant E. coli cultures.
- This kit utilizes chaotropic ions and silica-based membrane technology, eliminating the need for time-consuming alcohol precipitation.
- The standard protocol lasts less than 60 minutes.
- The kit can be effectively used for purification of plasmids of any size and cosmids.



Applications

The kit can be effectively used for purification of plasmids of any size and cosmids.

Sample / input

Recombinant E. coli cultures; plasmids and cosmids.

Ordering options

CATALOG NO.	PACK SIZE
MDP1050	20 rxn

Storage

Store the kit between 15°C and 25°C. Store RNase A at -20°C.

Shipping

Ship at ambient temperature.
RNase A is supplied in a separate package.

Product details & documents

ecotechbiotech.com/MDP1050



EcoSpin

Tissue Genomic DNA Kit

- Designed for simple, convenient purification of high-quality genomic DNA from fresh or frozen tissue samples and rodent tails.
- This kit utilizes chaotropic ions and silica-based membrane technology, eliminating the need for expensive resins, hazardous phenol-chloroform extractions, or time-consuming alcohol precipitation.
- The standard protocol lasts less than 30 minutes and purified DNA can be used directly in PCR, qPCR, sequencing and enzymatic reactions.



Applications

The standard protocol lasts less than 30 minutes and purified DNA can be used directly in PCR, qPCR, sequencing and enzymatic reactions.

Sample / input

Fresh or frozen tissue samples and rodent tails.

Ordering options

CATALOG NO.

PACK SIZE

E1070

50 rxn

Storage

Store the kit between 15°C and 25°C. Store Proteinase K at -20°C. Store RNase A at -20°C.

Shipping

Ship at ambient temperature. RNase A and Proteinase K are supplied in a separate package.

Product details & documents

ecotechbiotech.com/E1070



EcoSpin

Yeast Genomic DNA Kit

- Designed for simple, convenient purification of high-quality genomic DNA from yeast cells.
- This kit utilizes chaotropic ions and silica-based membrane technology, eliminating the need for expensive resins, hazardous phenol-chloroform extractions, or time-consuming alcohol precipitation.
- The standard protocol lasts less than 25 minutes and purified DNA can be used directly in PCR, qPCR, sequencing and enzymatic reactions.



Applications

This product is designed for simple, convenient purification of high-quality genomic DNA from yeast cells.

Sample / input

Yeast cells.

Ordering options

CATALOG NO.

PACK SIZE

E1060

50 rxn

Storage

Store the kit between 15°C and 25°C. Store Proteinase K at -20°C. Store RNase A at -20°C.

Shipping

Ship at ambient temperature. RNase A and Proteinase K are supplied in a separate package.

Product details & documents

ecotechbiotech.com/E1060



02 / COLLECTION

PCR & Gel Electrophoresis



18 product groups

43 catalog variants

Explore the products in this collection

ClearBand

10x PCR Reaction Buffer, (w/o MgCl₂)

- ClearBand 10x PCR Buffer, (w/o MgCl₂) is a ready-to-use reaction buffer formulated for use in standard PCR applications.
- It is designed to provide the appropriate ionic strength and chemical environment required for efficient DNA amplification when used with compatible DNA polymerases.



Applications

ClearBand 10x PCR Buffer, (w/o MgCl₂) is a ready-to-use reaction buffer formulated for use in standard PCR applications.

Ordering options

CATALOG NO.	PACK SIZE
PB10x	5x1 mL

Storage

Store at -20°C.

Shipping

Ship with blue ice.

Product details & documents

[ecotechbiotech.com/ PB10x](http://ecotechbiotech.com/PB10x)



ClearBand

DNA Loading Dye 6x - Blue

- ClearBand 6x DNA Loading Dye Blue is a pre-mixed buffer, which can be used for loading DNA markers and samples into the wells of agarose and non-denaturing polyacrylamide gels.
- It contains two tracking dyes, Xylene Cyanol FF and Bromophenol Blue, for visualization of DNA migration on the gels.
- Xylene Cyanol FF runs around 4000 bp and Bromophenol Blue runs around 400 bp fragment in agarose gels, which provides a feasible tracking of DNA before it runs off the gel.



Applications

ClearBand 6x DNA Loading Dye Blue is a pre-mixed buffer, which can be used for loading DNA markers and samples into the wells of agarose and non-denaturing polyacrylamide gels.

Ordering options

CATALOG NO.	PACK SIZE
DLD-6xB	5x1 mL
DLD-6xB5	5x5 mL

Storage

Store between 2°C and 8°C or at room temperature.

Shipping

Ship at ambient temperature.

Product details & documents

ecotechbiotech.com/DLD-6xB/DLD-6xB5



ClearBand

DNA Loading Dye 6x - Green

- ClearBand 6x DNA Loading Dye Green is a pre-mixed buffer, which can be used for loading DNA markers and samples into the wells of agarose and non-denaturing polyacrylamide gels. It contains two tracking dyes, Xylene Cyanol FF and Orange G, for visualization of DNA migration on the gels.
- Orange G runs around 50 bp fragment in agarose gels, which provides much better tracking of DNA before it runs off the gel.
- Besides, Orange G does not result in formation of a dark shadow on the gel as Bromophenol Blue does, which runs around 400 bp fragment precisely where PCR fragments are likely to be.



Applications

ClearBand 6x DNA Loading Dye Green is a pre-mixed buffer, which can be used for loading DNA markers and samples into the wells of agarose and non-denaturing polyacrylamide gels. It contains two tracking dyes, Xylene Cyanol FF and Orange G, for visualization of DNA migration on the gels.

Ordering options

CATALOG NO.	PACK SIZE
DLD-6xG	5x1 mL
DLD-6xG5	5x5 mL

Storage

Store between 2°C and 8°C or at room temperature.

Shipping

Ship at ambient temperature.

Product details & documents

ecotechbiotech.com/DLD-6xG / [DLD-6xG5](http://ecotechbiotech.com/DLD-6xG5)



ClearBand

DNA Marker 100bp-Green

- A ready-to-load molecular weight marker suitable for DNA fragment size determination on gel electrophoresis.
- PCR products and double-stranded DNA were digested with appropriate restriction enzymes to completion to yield 12 bands, ranging from 100 bp - 3 kb, for molecular weight standards in agarose gel electrophoresis.



Applications

This product is a ready-to-load molecular weight marker suitable for DNA fragment size determination on gel electrophoresis.

Ordering options

CATALOG NO.	PACK SIZE
DM100	500 µL / 100 load
DM1003	3x500 µL / 300 load

Storage

Store at 4°C for 3 months or -20°C for 24 months.

Shipping

Ship at ambient temperature.

Product details & documents

ecotechbiotech.com/DM100/DM1003



ClearBand

DNA Marker 1kb-Blue

- A ready-to-load molecular weight marker suitable for DNA fragment size determination on gel electrophoresis.
- PCR products and double-stranded DNA were digested with appropriate restriction enzymes to completion to yield 13 bands, ranging from 250 bp - 10 kb, for molecular weight standards in agarose gel electrophoresis.



Applications

This product is a ready-to-load molecular weight marker suitable for DNA fragment size determination on gel electrophoresis.

Ordering options

CATALOG NO.	PACK SIZE
DM1000	500 µL / 100 load
DM10003	3x500 µL / 300 load

Storage

Store at 4°C for 3 months or -20°C for 24 months.

Shipping

Ship at ambient temperature.

Product details & documents

ecotechbiotech.com/DM1000/DM10003



ClearBand

dNTP Mix, 10 mM each

- ClearBand dNTP (2'-deoxynucleoside 5'-triphosphate) Mix, 10 mM each consists of all four nucleotides (dATP, dCTP, dGTP, dTTP), each at a concentration of 10 mM, in water (pH 7.4).
- ClearBand dNTP Mix is designed to save time and to provide higher reproducibility in PCR and other applications.



Applications

ClearBand dNTP Mix is designed to save time and to provide higher reproducibility in PCR and other applications.

Ordering options

CATALOG NO.	PACK SIZE
ETP1	1 mL
ETP5	5x1 mL

Storage

Store at -20°C.

Shipping

Ship with blue ice.

Product details & documents

ecotechbiotech.com/ETP1/ETP5



ClearBand

MgCl₂, 25 mM

- ClearBand MgCl₂, 25 mM is a ready-to-use magnesium chloride solution developed for use in a variety of molecular biology applications, particularly PCR and other enzymatic DNA amplification workflows.
- Magnesium ions are essential cofactors for many DNA polymerases and play a critical role in enzyme activity, primer annealing behavior, product specificity, and amplification yield.



Applications

ClearBand MgCl₂, 25 mM is a ready-to-use magnesium chloride solution developed for use in a variety of molecular biology applications, particularly PCR and other enzymatic DNA amplification workflows.

Ordering options

CATALOG NO.	PACK SIZE
MG05	5x1 mL

Storage

Store at -20°C.

Shipping

Ship at ambient temperature.

Product details & documents

ecotechbiotech.com/MG05



ClearBand

Nuclease Free Ultra-Pure Water

- Nuclease-free water for molecular biology applications.
- Processed by deionization, reverse osmosis, UV treatment, 0.2 µm filtration and double autoclaving.



Applications

This product is prepared under stringent conditions and is suitable for all applications in a molecular biology laboratory.

Ordering options

CATALOG NO.	PACK SIZE	CATALOG NO.	PACK SIZE
DW003L	30 mL	DW003L10	10x30 mL
DW010L	100 mL	DW010L10	10x100 mL
DW05L	500 mL	DW05L5	5x500 mL
DW1L	1 L		

Storage

Store between 15°C and 25°C.

Shipping

Ship at ambient temperature.

Product details & documents

ecotechbiotech.com/DW003L / [DW003L10](https://ecotechbiotech.com/DW003L10) / [DW010L](https://ecotechbiotech.com/DW010L) / [DW010L10](https://ecotechbiotech.com/DW010L10) / [DW05L](https://ecotechbiotech.com/DW05L) / [DW05L5](https://ecotechbiotech.com/DW05L5) / [DW1L](https://ecotechbiotech.com/DW1L)



ClearBand

SAFE DNA Gel Stain Solution (20000x)

- ClearBand SAFE DNA Gel Stain Solution, 20,000x, is an aqueous fluorescent nucleic acid gel stain as an alternative to traditional ethidium bromide (EtBr) to be used at 1x concentration in agarose or polyacrylamide gels.
- One vial (1 mL) of ClearBand SAFE DNA Gel Stain Solution, 20,000x, can be used to prepare at least 200 precast mini gels.
- ClearBand SAFE DNA Gel Stain Solution, 20,000x is compatible with downstream applications including gel extraction and cloning.
- Affordable: Low cost.



Applications

Suitable for blue LED detection.

Ordering options

CATALOG NO.	PACK SIZE
SDGS1	1 mL
SDGS5	5x1 mL

Storage

Store between 2°C and 8°C.

Shipping

Ship at ambient temperature.

Product details & documents

[ecotechbiotech.com/ SDGS1 / SDGS5](https://ecotechbiotech.com/SDGS1/SDGS5)



ClearBand

TAE (10x)

- ClearBand TAE 10x Electrophoresis Buffer is a commonly used concentrated buffer for separation of nucleic acids in agarose and polyacrylamide gels.
- It is preferred in high resolution agarose gel electrophoresis applications and separation of high-molecular-weight, double-stranded DNA.
- It should be diluted to a working concentration of 1x before use.
- Fresh 1x buffer is recommended for each electrophoresis application.



Applications

Fresh 1x buffer is recommended for each electrophoresis application.

Ordering options

CATALOG NO.	PACK SIZE
TAE105	500 mL
TAE1010	1000 mL

Storage

Store between 15°C and 25°C.

Shipping

Ship at ambient temperature.

Product details & documents

ecotechbiotech.com/TAE105/TAE1010



ClearBand

TAE (50x)

- ClearBand TAE 50x Electrophoresis Buffer is a commonly used concentrated buffer for separation of nucleic acids in agarose and polyacrylamide gels.
- It is preferred in high resolution agarose gel electrophoresis applications and separation of high-molecular-weight, double-stranded DNA.
- It should be diluted to a working concentration of 1x before use.
- Fresh 1x buffer is recommended for each electrophoresis application.



Applications

Fresh 1x buffer is recommended for each electrophoresis application.

Ordering options

CATALOG NO.	PACK SIZE	CATALOG NO.	PACK SIZE
TAE500	500 mL	TAE5005	5x500 mL
TAE1000	1000 mL	TAE10005	5x1000 mL

Storage

Store between 15°C and 25°C.

Shipping

Ship at ambient temperature.

Product details & documents

ecotechbiotech.com/TAE500 / TAE5005 / TAE1000 / TAE10005



ClearBand

TBE (10x)

- ClearBand TBE 10x Electrophoresis Buffer is a commonly used concentrated buffer for separation of nucleic acids in agarose and polyacrylamide gels.
- It should be diluted to a working concentration of 1x before use.
- Fresh 1x buffer is recommended for each electrophoresis application.
- ClearBand TBE 10x Electrophoresis Buffer is filter sterilized and prepared with ultrapure water.



Applications

Fresh 1x buffer is recommended for each electrophoresis application.

Ordering options

CATALOG NO.	PACK SIZE	CATALOG NO.	PACK SIZE
TBE500	500 mL	TBE5005	5x500 mL
TBE1000	1000 mL	TBE10005	5x1000 mL

Storage

Store between 15°C and 25°C.

Shipping

Ship at ambient temperature.

Product details & documents

ecotechbiotech.com/TBE500 / [TBE5005](https://ecotechbiotech.com/TBE5005) / [TBE1000](https://ecotechbiotech.com/TBE1000) / [TBE10005](https://ecotechbiotech.com/TBE10005)



Direct Blood EcoTaq DNA Polymerase, 5 U/μL

- Direct Blood EcoTaq DNA Polymerase is an engineered variant of Taq DNA polymerase, developed through N-terminal truncation and targeted mutations.
- This modification enhances tolerance to common PCR inhibitors, enabling direct DNA amplification from whole blood samples of human and mouse origin without the need for prior DNA extraction or purification.



Sample / input

Human or mouse whole blood; no prior DNA purification required.

Ordering options

CATALOG NO.	PACK SIZE
EBP100	100U
EBP500	500U

Storage

Store at -20°C.

Shipping

Ship with blue ice.

Product details & documents

ecotechbiotech.com/EBP100/EBP500



EcoTaq

2X PCR Master Mix

- EcoTaq 2x PCR Master Mix is designed for effective and fast amplification of templates, up to 7 kb, with high fidelity.
- The mix is provided at 2x concentration and contains EcoTaq DNA Polymerase, dNTPs, and optimized buffer.
- The blue dye within the mix allows immediate loading of reaction mixture after PCR.
- The products are a mixture of blunt ends and single base (A) 3' overhang and can be used for direct T/A cloning.



Applications

Applications: High throughput PCR, Routine PCR with high reproducibility, T/A Cloning, RT-PCR

Ordering options

CATALOG NO.	PACK SIZE
ET-1	40 rxn
ET-5	200 rxn

Storage

Store at -20°C.

Shipping

Ship at ambient temperature.

Product details & documents

ecotechbiotech.com/ET-1/ET-5



EcoTaq

DNA Polymerase

- A purified recombinant enzyme for amplification of DNA templates up to 5 kb.
- It has 5'→3' DNA polymerase and 5'→3' exonuclease activity, but no 3'→5' exonuclease activity.
- The elongation rate is 2 kb/min.
- PCR products are a mixture of blunt ends and single-base (A) 3' overhangs and can be used for T/A cloning.



Applications

Applications include high-throughput PCR, routine PCR, T/A cloning and RT-PCR.

Ordering options

CATALOG NO.	PACK SIZE
ET500	500U
ET2500	2500U

Storage

Store at -20°C. Avoid freeze-thaw cycles.

Shipping

Ship with blue ice.

Product details & documents

ecotechbiotech.com/ET500/ET2500



EcoTaq

Flash Pfu DNA Polymerase, 2 U/μL

- EcoTaq Flash Pfu DNA Polymerase is a high-performance, high-fidelity DNA polymerase engineered for rapid and efficient PCR amplification.
- The enzyme possesses both 5'→3' DNA polymerase activity and 3'→5' exonuclease (proofreading) activity, ensuring high accuracy during DNA synthesis.



Ordering options

CATALOG NO.	PACK SIZE
ETFP10	100U
ETFP50	500U

Storage

Store at -20°C.

Shipping

Ship with blue ice.

Product details & documents

ecotechbiotech.com/ETFP10/ETFP50



EcoTaq

HotStart DNA Polymerase, 5 U/μL

- EcoTaq HotStart DNA Polymerase is a mixture of a monoclonal anti-Taq antibody and recombinant Taq DNA Polymerase, specifically designed for high-specificity PCR applications.
- The antibody binds to the Taq DNA polymerase and inhibits its activity at low temperatures, effectively preventing non-specific primer annealing and primer-dimer formation prior to thermal cycling.



Applications

EcoTaq HotStart DNA Polymerase is a mixture of a monoclonal anti-Taq antibody and recombinant Taq DNA Polymerase, specifically designed for high-specificity PCR applications.

Ordering options

CATALOG NO.	PACK SIZE
ETHS025	250U
ETHS100	1000U

Storage

Store at -20°C.

Shipping

Ship with blue ice.

Product details & documents

ecotechbiotech.com/ETHS025/ETHS100



EcoTaq

Ultra High-Fidelity DNA Polymerase, 5 U/μL

- EcoTaq Ultra High-Fidelity DNA Polymerase is a next-generation, ultra high-fidelity DNA polymerase engineered from Pfu DNA Polymerase, offering significantly enhanced amplification efficiency, specificity, and yield.
- The enzyme is optimized for robust performance across a wide range of templates, including both simple and complex DNA sources.



Ordering options

CATALOG NO.	PACK SIZE
ETHF10	100U
ETHF50	500U

Storage

Store at -20°C.

Shipping

Ship with blue ice.

Product details & documents

ecotechbiotech.com/ETHF10/ETHF50



03 / COLLECTION

Gene Expression



14 product groups

25 catalog variants

Explore the products in this collection

ClearPeak

2x Probe Master Mix

- 2x premix for probe-based real-time quantitative PCR.
- Contains EcoTaq DNA Polymerase, PCR buffer, dNTPs, Mg²⁺, enhancers and stabilizers.
- Add template, primers and probes to prepare the reaction.



Ordering options

CATALOG NO.	PACK SIZE
PMM1	1 mL
PMM5	5x1 mL

Storage

Store at -20°C.

Shipping

Ship with blue ice.

Product details & documents

[ecotechbiotech.com/ PMM1 / PMM5](https://ecotechbiotech.com/PMM1/PMM5)



ClearPeak

2x SYBR Master Mix

Format	2x master mix
Enzyme	Antibody-based hot-start EcoTaq DNA polymerase
Activation	95°C for 5 seconds, as described in the datasheet
Reaction setup	10 µL master mix in a 20 µL reaction



Applications

Real-time qPCR and rapid qPCR programs for target gene quantification.

Sample / input

Genomic DNA or cDNA. Typical input: 10-100 ng genomic DNA or 1-10 ng cDNA; optimize for the target.

Ordering options

CATALOG NO.	PACK SIZE
SMM1	1 mL
SMM5	5x1 mL

Storage

-20°C; protect from light and avoid repeated freeze-thaw. Datasheet: up to 6 months at 2-8°C in the dark after thawing.

Shipping

Blue ice.

Product details & documents

[ecotechbiotech.com/SMM1 / SMM5](http://ecotechbiotech.com/SMM1/SMM5)



ClearPeak

Gene Expression Assays (FAM)

- This product contains primer and probe sets designed for quantitative gene expression studies utilizing hybridization probes with ClearPeak 2x Probe Master Mix.
- Pre-designed and pre-validated prior to delivery to users.



Applications

This product are pre-designed and pre-validated prior to delivery to users.

Ordering options

CATALOG NO.	PACK SIZE
GEA250	250 rxn
GEA750	750 rxn

Storage

Store at -20°C.

Shipping

Ship with blue ice.

Product details & documents

[ecotechbiotech.com/ GEA250 / GEA750](http://ecotechbiotech.com/GEA250/GEA750)



ClearPeak

microRNA Assays (FAM)

- This product contains primer and probe sets designed for quantitative gene expression studies utilizing hybridization probes with ClearPeak 2x Probe Master Mix.
- Pre-designed and pre-validated prior to delivery to users.



Applications

This product are pre-designed and pre-validated prior to delivery to users.

Ordering options

CATALOG NO.	PACK SIZE
MCA150	150 rxn
MCA750	750 rxn

Storage

Store at -20°C.

Shipping

Ship with blue ice.

Product details & documents

[ecotechbiotech.com/ MCA150 / MCA750](http://ecotechbiotech.com/MCA150/MCA750)



ClearPeak

microRNA SYBR Green qPCR Assays

- This product contains primer pairs and stem-loop primers designed for real-time PCR using intercalating dyes, such as ClearPeak 2x SYBR Master Mix.
- Pre-designed and pre-validated prior to delivery to users.
- Utilization of ClearPeak stem-loop primers specific to target microRNA during cDNA synthesis enhances the specificity and accuracy of the assay.



Applications

This product are pre-designed and pre-validated prior to delivery to users.

Ordering options

CATALOG NO.	PACK SIZE
qmPP250	250 rxn

Storage

Store at -20°C.

Shipping

Ship with blue ice.

Product details & documents

ecotechbiotech.com/qmPP250



ClearPeak Oligo(dT)18

- 18 deoxythymidine residues that hybridize to the poly(A) tail of eukaryotic mRNA.
- Primer for first-strand cDNA synthesis; supplied in distilled water.
- Recommended with EcoScript 5x First Strand cDNA Synthesis Kit (ERT50 / ERT100 / ERT200).



Applications

This product primer is a string of 18 deoxythymidylic acid residues that hybridizes to the poly(A) tail of most eukaryotic mRNA and can be used as a primer for first-strand cDNA synthesis with reverse transcriptase.

Sample / input

Poly(A)-tailed eukaryotic mRNA.

Ordering options

CATALOG NO.	PACK SIZE
Q1850	50 rxn
Q18100	100 rxn

Storage

Store at -20°C.

Shipping

Ship with blue ice.

Product details & documents

[ecotechbiotech.com/ Q1850 / Q18100](http://ecotechbiotech.com/Q1850/Q18100)



ClearPeak

One Step qRT-PCR Probe Kit

- A one-step real-time RT-qPCR kit designed for rapid and sensitive detection of RNA targets.
- Reverse transcription and quantitative PCR are performed consecutively within a single reaction mixture, eliminating the need for tube opening or additional reagent handling.
- This closed-tube format minimizes contamination risk and enhances workflow efficiency.



Applications

This product is a one-step real-time RT-qPCR kit designed for rapid and sensitive detection of RNA targets.

Sample / input

RNA targets.

Ordering options

CATALOG NO.

PACK SIZE

1SQP100

100 rxn

Storage

Store at -20°C.

Shipping

Ship with blue ice.

Product details & documents

ecotechbiotech.com/1SQP100



ClearPeak

One Step qRT-PCR SYBR Kit

- A one-step real-time RT-qPCR kit designed for rapid and sensitive detection of RNA targets.
- It utilizes SYBR Green I dye, which binds to double-stranded DNA, allowing detection of a wide range of target sequences without the need for sequence-specific probes.



Applications

This product is a one-step real-time RT-qPCR kit designed for rapid and sensitive detection of RNA targets.

Sample / input

RNA targets.

Ordering options

CATALOG NO.

PACK SIZE

1SQ100

100 rxn

Storage

Store at -20°C.

Shipping

Ship with blue ice.

Product details & documents

[ecotechbiotech.com/ 1SQ100](http://ecotechbiotech.com/1SQ100)



ClearPeak

Random Hexamer

- Mixture of random hexamer oligonucleotides, d(N)₆, that anneal to complementary DNA or RNA sequences.
- Primers for DNA synthesis by DNA polymerase or reverse transcriptase; supplied in distilled water.
- Recommended with EcoScript 5x First Strand cDNA Synthesis Kit (ERT50 / ERT100 / ERT200).



Sample / input

DNA or RNA templates.

Ordering options

CATALOG NO.	PACK SIZE
RH50	50 rxn
RH100	100 rxn

Storage

Store at -20°C.

Shipping

Ship with blue ice.

Product details & documents

ecotechbiotech.com/RH50/RH100



ClearPeak

SYBR Green qPCR Assays

- This product contains primer pairs designed for real-time PCR using intercalating dyes, such as ClearPeak 2x SYBR Master Mix.
- Pre-designed and pre-validated prior to delivery to users.



Applications

This product are pre-designed and pre-validated prior to delivery to users.

Ordering options

CATALOG NO.	PACK SIZE
qPP250	250 rxn

Storage

Store at -20°C.

Shipping

Ship with blue ice.

Product details & documents

ecotechbiotech.com/qPP250



EcoScript

5x First Strand cDNA Synthesis Kit

- Premix containing the components required for first-strand cDNA synthesis from RNA templates.
- Uses thermostable recombinant M-MuLV reverse transcriptase with lower RNase H activity than AMV reverse transcriptase.



Sample / input

RNA templates.

Ordering options

CATALOG NO.	PACK SIZE
ERT50	50 rxn
ERT100	100 rxn
ERT200	200 rxn

Storage

Store at -20°C.

Shipping

Ship with blue ice.

Product details & documents

[ecotechbiotech.com/ ERT50 / ERT100 / ERT200](http://ecotechbiotech.com/ERT50/ERT100/ERT200)



EndoGenius Inducer Kit

- Utilization of EndoGenius Inducer Assay allows specific gene overexpression with minimal off-target effects.
- It is quite easy to carry out an overexpression assay to see functional effects of overexpressing an endogenous gene.



Ordering options

CATALOG NO.	PACK SIZE
EGI50	50 rxn
EGI100	100 rxn

Storage

Store Active and Control Mix at -20°C. Store other contents of the assay at 4°C.

Shipping

Ship at ambient temperature.

Product details & documents

[ecotechbiotech.com/ EGI50 / EGI100](http://ecotechbiotech.com/EGI50/EGI100)



EndoGenius Suppressor Kit

- Utilization of EndoGenius Suppressor Assay allows inhibition of specific gene expression with minimal off-target effects.
- It is quite easy to carry out an assay to see functional effects of suppressing an endogenous gene.



Ordering options

CATALOG NO.	PACK SIZE
EGS50	50 rxn
EGS100	100 rxn

Storage

Store Active and Control Mix at -20°C. Store other contents of the assay at 4°C.

Shipping

Ship at ambient temperature.

Product details & documents

ecotechbiotech.com/EGS50/EGS100



RNaseOVER

RNase Deactivation Buffer

- RNaseOVER RNase Decontamination Solution efficiently eliminates RNase contamination from both glass and plastic laboratory surfaces.
- RNaseOVER RNase Decontamination Solution has been successfully applied to decontaminate reaction vessels, and after proper rinsing, it leaves no residues that could interfere with subsequent enzymatic reactions.



Ordering options

CATALOG NO.	PACK SIZE
RO250	250 mL
RO2506	6x250 mL

Storage

Store between 15°C and 25°C.

Shipping

Ship at ambient temperature.

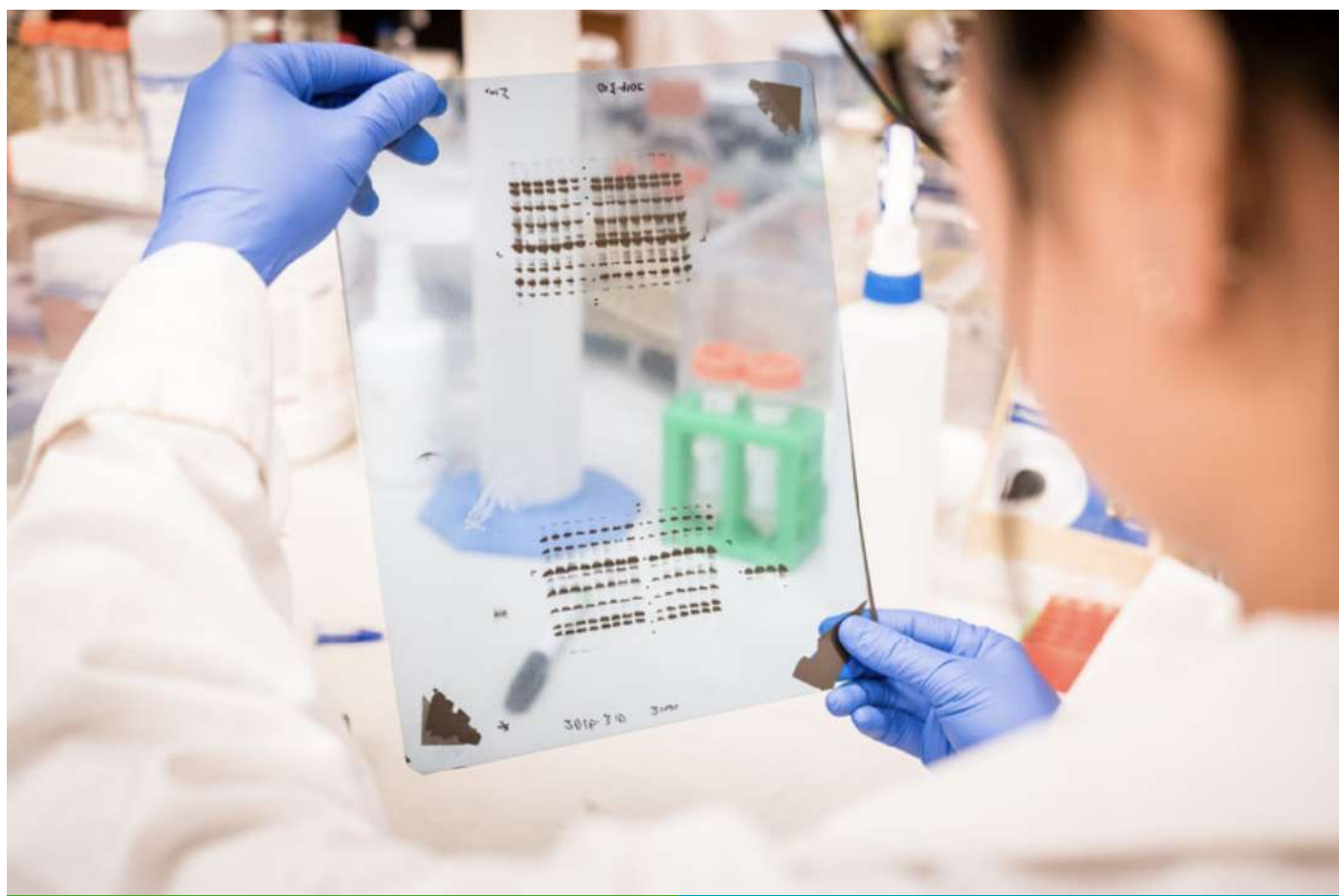
Product details & documents

ecotechbiotech.com/RO250/RO2506



04 / COLLECTION

Western Blotting



47 product groups

87 catalog variants

Explore the products in this collection

ClearBand

1 M Tris, pH 6.8

- A pre-mixed and pH-adjusted ready-to-use sterile-filtered solution.
- This product can be diluted to desired concentration and can be used in molecular biology or general biochemistry applications.



Applications

This product can be diluted to desired concentration and can be used in molecular biology or general biochemistry applications.

Ordering options

CATALOG NO.	PACK SIZE	CATALOG NO.	PACK SIZE
T6805	500 mL	T68055	5x500 mL
T6810	1 L	T68105	5x1000 mL

Storage

Store between 15°C and 25°C.

Shipping

Ship at ambient temperature.

Product details & documents

[ecotechbiotech.com/T6805 / T68055 / T6810 / T68105](https://ecotechbiotech.com/T6805/T68055/T6810/T68105)



ClearBand

1 M Tris, pH 7.4

- A pre-mixed and pH-adjusted ready-to-use sterile-filtered solution.
- This product can be diluted to desired concentration and can be used in molecular biology or general biochemistry applications.



Applications

This product can be diluted to desired concentration and can be used in molecular biology or general biochemistry applications.

Ordering options

CATALOG NO.	PACK SIZE	CATALOG NO.	PACK SIZE
T7405	500 mL	T74055	5x500 mL
T7410	1 L	T74105	5x1000 mL

Storage

Store between 15°C and 25°C.

Shipping

Ship at ambient temperature.

Product details & documents

ecotechbiotech.com/T7405/T74055/T7410/T74105



ClearBand

1 M Tris, pH 8

- A pre-mixed and pH-adjusted ready-to-use sterile-filtered solution.
- This product can be diluted to desired concentration and can be used in molecular biology or general biochemistry applications.



Applications

This product can be diluted to desired concentration and can be used in molecular biology or general biochemistry applications.

Ordering options

CATALOG NO.	PACK SIZE	CATALOG NO.	PACK SIZE
T805	500 mL	T8055	5x500 mL
T810	1 L	T8105	5x1000 mL

Storage

Store between 15°C and 25°C.

Shipping

Ship at ambient temperature.

Product details & documents

ecotechbiotech.com/T805 / T8055 / T810 / T8105



ClearBand

1 M Tris, pH 8.5

- A pre-mixed and pH-adjusted ready-to-use sterile-filtered solution.
- This product can be diluted to desired concentration and can be used in molecular biology or general biochemistry applications.



Applications

This product can be diluted to desired concentration and can be used in molecular biology or general biochemistry applications.

Ordering options

CATALOG NO.	PACK SIZE	CATALOG NO.	PACK SIZE
T8505	500 mL	T85055	5x500 mL
T8510	1 L	T85105	5x1000 mL

Storage

Store between 15°C and 25°C.

Shipping

Ship at ambient temperature.

Product details & documents

ecotechbiotech.com/T8505 / [T85055](https://ecotechbiotech.com/T85055) / [T8510](https://ecotechbiotech.com/T8510) / [T85105](https://ecotechbiotech.com/T85105)



ClearBand

1 M Tris, pH 8.8

- A pre-mixed and pH-adjusted ready-to-use sterile-filtered solution.
- This product can be diluted to desired concentration and can be used in molecular biology or general biochemistry applications.



Applications

This product can be diluted to desired concentration and can be used in molecular biology or general biochemistry applications.

Ordering options

CATALOG NO.	PACK SIZE	CATALOG NO.	PACK SIZE
T8805	500 mL	T88055	5x500 mL
T8810	1 L	T88105	5x1000 mL

Storage

Store between 15°C and 25°C.

Shipping

Ship at ambient temperature.

Product details & documents

[ecotechbiotech.com/T8805 / T88055 / T8810 / T88105](https://ecotechbiotech.com/T8805/T88055/T8810/T88105)



ClearBand

10% SDS

- This product (10% w/v) is sodium dodecyl sulfate prepared in 18 MΩ water.
- SDS is a detergent that is used for denaturation of proteins especially in polyacrylamide gel electrophoresis applications.



Applications

SDS is a detergent that is used for denaturation of proteins especially in polyacrylamide gel electrophoresis applications.

Ordering options

CATALOG NO.	PACK SIZE
S100	100 mL
S500	500 mL

Storage

Store between 15°C and 25°C.

Shipping

Ship at ambient temperature.

Product details & documents

[ecotechbiotech.com/ S100 / S500](https://ecotechbiotech.com/S100/S500)



ClearBand

100x Phosphatase Inhibitor Cocktail

- Formulated for efficient inhibition of endogenous phosphatases during cell lysis and protein extraction.
- A blend of 5 phosphatase inhibitors that can broadly inhibit acid phosphatases, alkaline phosphatases, and protein tyrosine phosphatases (PTPs).



Applications

This product is formulated for efficient inhibition of endogenous phosphatases during cell lysis and protein extraction.

Ordering options

CATALOG NO.	PACK SIZE
PHIC1	1 mL

Storage

Store at -20°C.

Shipping

Ship with blue ice.

Product details & documents

ecotechbiotech.com/ PHIC1



ClearBand

100x Protease Inhibitor Cocktail

- Broad-spectrum protease inhibition during cell lysis and protein extraction.
- Contains AEBSF, aprotinin, bestatin, E-64, leupeptin and pepstatin A in DMSO.
- Separately supplied EDTA inhibits metalloproteases.



Applications

This product is formulated for efficient inhibition of endogenous proteases during cell lysis and protein extraction.

Sample / input

Cellular lysates during cell lysis and protein extraction.

Ordering options

CATALOG NO.	PACK SIZE
PIC1	1 mL
PIC5	5x1 mL

Storage

Store at -20°C.

Shipping

Ship with blue ice.

Product details & documents

[ecotechbiotech.com/PIC1 / PIC5](http://ecotechbiotech.com/PIC1/PIC5)



ClearBand

10x Phosphate Buffered Saline with Tween® 20, pH 7.4

- ClearBand 10x Phosphate-Buffered Saline with Tween® 20 (PBST) is a balanced salt solution which is used especially for Western blotting and ELISA procedures.
- ClearBand PBST enables washing without disturbing antibody-antigen binding interactions.
- ClearBand PBST does not contain calcium and magnesium.
- ClearBand 10x PBST should be diluted to 1x working solution. 1x formulation contains 0.05% Tween 20.



Applications

ClearBand 10x Phosphate-Buffered Saline with Tween® 20 (PBST) is a balanced salt solution which is used especially for Western blotting and ELISA procedures.

Ordering options

CATALOG NO.	PACK SIZE
PBST1005	500 mL
PBST1010	1000 mL

Storage

Store between 15°C and 25°C.

Shipping

Ship at ambient temperature.

Product details & documents

ecotechbiotech.com/PBST1005/PBST1010



ClearBand

10x RIPA Lysis Buffer

- Formulated for efficient and complete cell lysis and solubilization of proteins.
- This product enables protein extraction from cytoplasmic, membrane and nuclear proteins and is compatible with several applications including Western blotting and immunoprecipitation.



Applications

This product is formulated for efficient and complete cell lysis and solubilization of proteins.

Ordering options

CATALOG NO.	PACK SIZE
RIPA10x	100 mL

Storage

Store between 15°C and 25°C.

Shipping

Ship at ambient temperature.

Product details & documents

[ecotechbiotech.com/ RIPA10x](https://ecotechbiotech.com/RIPA10x)



ClearBand

10x Tris-Buffered Saline with Tween® 20, pH 7.6

- ClearBand 10x Tris-Buffered Saline with Tween® 20 (TBS) is a balanced pH-stabilizing salt solution used especially for Western blotting and ELISA procedures.
- ClearBand TBS enables washing without disturbing antibody-antigen binding interactions.
- ClearBand 10x TBS should be diluted to 1x working solution. 1x formulation contains 0.1% Tween 20.
- ClearBand 10x TBS is prepared with ultrapure water and filter sterilized.



Applications

ClearBand 10x Tris-Buffered Saline with Tween® 20 (TBS) is a balanced pH-stabilizing salt solution used especially for Western blotting and ELISA procedures.

Ordering options

CATALOG NO.	PACK SIZE
TBST05	500 mL
TBST10	1000 mL

Storage

Store between 15°C and 25°C.

Shipping

Ship at ambient temperature.

Product details & documents

ecotechbiotech.com/TBST05/TBST10



ClearBand

19:1 40% Acrylamide/Bisacrylamide

- ClearBand Acrylamide/Bisacrylamide, 19:1 40% Ready-to-use Solution is prepared using molecular biology grade acrylamide and bisacrylamide in ultrapure water.
- ClearBand Acrylamide/Bisacrylamide, 19:1 40% Ready-to-use Solution is 0.22 µm filter sterilized and suitable for electrophoresis of both proteins and nucleic acids.
- It can be used for preparation of stacking and resolving gels during sodium dodecyl sulfate polyacrylamide gel electrophoresis.



Applications

It can be used for preparation of stacking and resolving gels during sodium dodecyl sulfate polyacrylamide gel electrophoresis.

Ordering options

CATALOG NO.	PACK SIZE
AB191100	100 mL
AB1911005	500 mL

Storage

Store between 2°C and 8°C.

Shipping

Ship at ambient temperature.

Product details & documents

ecotechbiotech.com/AB191100/AB1911005



ClearBand

20% SDS

- This product (20% w/v) is sodium dodecyl sulfate prepared in 18 MΩ water.
- SDS is a detergent that is used for denaturation of proteins especially in polyacrylamide gel electrophoresis applications.



Applications

SDS is a detergent that is used for denaturation of proteins especially in polyacrylamide gel electrophoresis applications.

Ordering options

CATALOG NO.	PACK SIZE
S100/20	100 mL
S500/20	500 mL

Storage

Store between 15°C and 25°C.

Shipping

Ship at ambient temperature.

Product details & documents

[ecotechbiotech.com/ S100/20 / S500/20](https://ecotechbiotech.com/S100/20/S500/20)



ClearBand

20x Tris-Buffered Saline with Tween® 20, pH 7.6

- ClearBand 20x Tris-Buffered Saline with Tween® 20 (TBST) is a space-saving balanced pH-stabilizing salt solution used especially for Western blotting and ELISA procedures.
- ClearBand TBST enables washing without disturbing antibody-antigen binding interactions.
- ClearBand 20x TBST should be diluted to 1x working solution. 1x formulation contains 0.1% Tween 20.
- ClearBand 20x TBST is prepared with ultrapure water and filter sterilized.



Applications

ClearBand 20x Tris-Buffered Saline with Tween® 20 (TBST) is a space-saving balanced pH-stabilizing salt solution used especially for Western blotting and ELISA procedures.

Ordering options

CATALOG NO.	PACK SIZE
TBST2005	500 mL
TBST2010	1000 mL

Storage

Store between 15°C and 25°C.

Shipping

Ship at ambient temperature.

Product details & documents

ecotechbiotech.com/TBST2005/TBST2010



ClearBand

20x Tris-Buffered Saline, pH 7.6

- ClearBand 20x Tris-Buffered Saline (TBS) is a space-saving balanced pH-stabilizing salt solution used especially for Western blotting and ELISA procedures.
- ClearBand TBS enables washing without disturbing antibody-antigen binding interactions.
- ClearBand 20x TBS should be diluted to 1x working solution with a pH 7.6 ± 0.1 .
- ClearBand 20x TBS is prepared with ultrapure water and filter sterilized.



Applications

ClearBand 20x Tris-Buffered Saline (TBS) is a space-saving balanced pH-stabilizing salt solution used especially for Western blotting and ELISA procedures.

Ordering options

CATALOG NO.	PACK SIZE
TB2005	500 mL
TB2010	1000 mL

Storage

Store between 15°C and 25°C.

Shipping

Ship at ambient temperature.

Product details & documents

ecotechbiotech.com/TB2005/TB2010



ClearBand

29:1 30% Acrylamide/Bisacrylamide

- ClearBand Acrylamide/Bisacrylamide, 29:1 30% Ready-to-use Solution is prepared using molecular biology grade acrylamide and bisacrylamide in ultrapure water.
- ClearBand Acrylamide/Bisacrylamide, 29:1 30% Ready-to-use Solution is 0.22 µm filter sterilized and suitable for electrophoresis of both proteins and nucleic acids.
- It can be used for preparation of stacking and resolving gels during sodium dodecyl sulfate polyacrylamide gel electrophoresis.



Applications

It can be used for preparation of stacking and resolving gels during sodium dodecyl sulfate polyacrylamide gel electrophoresis.

Ordering options

CATALOG NO.	PACK SIZE
AB291100	100 mL
AB2911005	500 mL

Storage

Store between 2°C and 8°C.

Shipping

Ship at ambient temperature.

Product details & documents

ecotechbiotech.com/AB291100/AB2911005



ClearBand

37.5:1 30% Acrylamide/Bisacrylamide

- ClearBand Acrylamide/Bisacrylamide, 37.5:1 30% Ready-to-use Solution is prepared using molecular biology grade acrylamide and bisacrylamide in ultrapure water.
- ClearBand Acrylamide/Bisacrylamide, 37.5:1 30% Ready-to-use Solution is 0.22 µm filter sterilized and suitable for electrophoresis of both proteins and nucleic acids.
- It can be used for preparation of stacking and resolving gels during sodium dodecyl sulfate polyacrylamide gel electrophoresis.



Applications

It can be used for preparation of stacking and resolving gels during sodium dodecyl sulfate polyacrylamide gel electrophoresis.

Ordering options

CATALOG NO.	PACK SIZE
AB3751-100	100 mL
AB3751-1005	500 mL

Storage

Store between 2°C and 8°C.

Shipping

Ship at ambient temperature.

Product details & documents

ecotechbiotech.com/AB3751-100 / [AB3751-1005](https://ecotechbiotech.com/AB3751-1005)



ClearBand Bradford Reagent

- Ready-to-use reagent for total protein quantification.
- Coomassie Brilliant Blue G-250 produces a protein-dependent absorbance shift measured at 595 nm.
- Suitable for test-tube or microplate assays.
- Prepare a standard curve for each assay because the response is non-linear.



Applications

Total protein quantification in test-tube or microplate format.

Ordering options

CATALOG NO.	PACK SIZE
BR05	500 mL

Storage

Store between 2°C and 8°C.

Shipping

Ship at ambient temperature.

Product details & documents

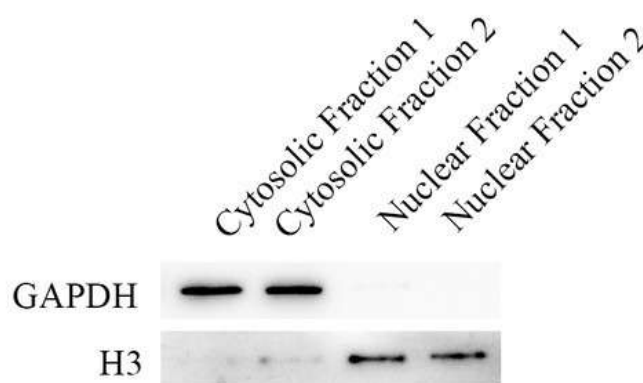
[ecotechbiotech.com/ BR05](https://ecotechbiotech.com/BR05)



ClearBand

Cytoplasmic & Nuclear Protein Fractionation Kit

Capacity	100 extractions
Cell input	Up to 1×10^6 cells per extraction
Tissue input	Up to 20 mg fresh tissue per extraction
Fraction purity	Generally less than 10% cross-contamination



GAPDH / H3 fractionation blot.

Applications

SDS-PAGE, Western blot, ELISA, immunoprecipitation, transcription factor and enzyme activity assays.

Sample / input

Fresh mammalian cultured cells or tissue. Keep samples and extracts on ice; centrifuge at 4°C.

Ordering options

CATALOG NO.	PACK SIZE
CNF100	100 extractions

Storage

Stable for 1 year at 4°C.

Shipping

Blue ice.

Add protease inhibitors to CE I and NE I immediately before use, as directed in the datasheet.

Product details & documents

ecotechbiotech.com/CNF100



ClearBand

ECL Western Blotting Substrate

- Luminol-based chemiluminescent substrate for HRP detection on immunoblots.
- ECL50 covers 400 cm² of membrane; ECL250 covers 2000 cm².



Applications

Chemiluminescent detection of HRP on immunoblots.

Ordering options

CATALOG NO.	PACK SIZE
ECL50	50 mL
ECL200	200 mL

Storage

Store between 2°C and 8°C.

Shipping

Ship at ambient temperature.

Product details & documents

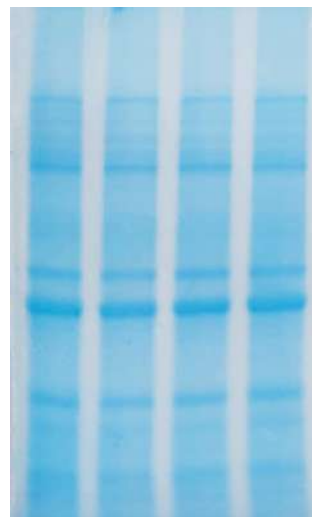
ecotechbiotech.com/ECL50/ECL200



ClearBand

Fast Coomassie Blue Staining Solution

- Ready-to-use solution for rapid protein staining in SDS-PAGE or non-denaturing PAGE gels.
- Formulated without methanol or acetic acid.



Applications

Rapid protein gel staining.

Ordering options

CATALOG NO.	PACK SIZE
FCB05	500 mL

Storage

Store between 15°C and 25°C.

Shipping

Ship at ambient temperature.

Product details & documents

ecotechbiotech.com/FCB05



ClearBand

GAPDH Antibody, 1 mg/mL

- ClearBand GAPDH Antibody offers high sensitivity and performance for immunoblotting and ELISA applications.



Applications

ClearBand GAPDH Antibody offers high sensitivity and performance for immunoblotting and ELISA applications.

Sample / input

GAPDH.

Ordering options

CATALOG NO.

PACK SIZE

AB002597

100 µL

Storage

Store at -20°C.

Shipping

Ship with blue ice.

Product details & documents

ecotechbiotech.com/AB002597



ClearBand

HRP Conjugated Goat anti-mouse IgG Antibody

- Labeled with horseradish peroxidase (HRP) and offers high sensitivity and performance for immunoblotting and ELISA applications.



Applications

This product is labeled with horseradish peroxidase (HRP) and offers high sensitivity and performance for immunoblotting and ELISA applications.

Sample / input

Mouse IgG.

Ordering options

CATALOG NO.

PACK SIZE

HRPM5

500 µL

Storage

Store at -20°C.

Shipping

Ship with blue ice.

Product details & documents

ecotechbiotech.com/HRPM5



ClearBand

HRP Conjugated Goat anti-rabbit IgG Antibody

- Labeled with horseradish peroxidase (HRP) and offers high sensitivity and performance for immunoblotting and ELISA applications.



Applications

This product is labeled with horseradish peroxidase (HRP) and offers high sensitivity and performance for immunoblotting and ELISA applications.

Sample / input

Rabbit IgG.

Ordering options

CATALOG NO.

PACK SIZE

HRPR5

500 µL

Storage

Store at -20°C.

Shipping

Ship with blue ice.

Product details & documents

ecotechbiotech.com/HRPR5



ClearBand

Laemmli Sample Buffer (10x)

- ClearBand Laemmli Sample Buffer 10x is a premixed buffer for protein sample preparation prior to loading on SDS-PAGE.
- It is supplied as 10x concentrate. 20 µL B-mercaptoethanol should be added per 80 µL ClearBand Laemmli Sample Buffer 10x prior to use.



Ordering options

CATALOG NO.	PACK SIZE
LSB-10x	2x1 mL

Storage

Store between 15°C and 25°C.

Shipping

Ship at ambient temperature.

Product details & documents

ecotechbiotech.com/LSB-10x



ClearBand

Laemmli Sample Buffer (2x)

- ClearBand Laemmli Sample Buffer 2x is a premixed buffer for protein sample preparation prior to loading on SDS-PAGE.
- It is supplied as 2x concentrate. 50 µL B-mercaptoethanol should be added per 950 µL ClearBand Laemmli Sample Buffer 2x prior to use.



Ordering options

CATALOG NO.	PACK SIZE
LSB-2x	15 mL

Storage

Store between 15°C and 25°C.

Shipping

Ship at ambient temperature.

Product details & documents

ecotechbiotech.com/LSB-2x



ClearBand

Laemmli Sample Buffer (4x)

- ClearBand Laemmli Sample Buffer 4x is a premixed buffer for protein sample preparation prior to loading on SDS-PAGE.
- It is supplied as 4x concentrate. 100 µL B-mercaptoethanol should be added per 900 µL ClearBand Laemmli Sample Buffer 4x prior to use.



Ordering options

CATALOG NO.	PACK SIZE
LSB-4x	10 mL

Storage

Store between 15°C and 25°C.

Shipping

Ship at ambient temperature.

Product details & documents

ecotechbiotech.com/LSB-4x



ClearBand Lyse&Load

- A premixed buffer, which combines RIPA Lysis Buffer and Laemmli Sample Buffer in one solution for protein sample preparation prior to loading on SDS-PAGE.



Ordering options

CATALOG NO.	PACK SIZE
LL5ML	5x1 mL

Storage

Store between 15°C and 25°C.

Shipping

Ship at ambient temperature.

Product details & documents

ecotechbiotech.com/LL5ML



ClearBand

Nitrocellulose Membrane, 0.22 µm, Roll

- 100% nitrocellulose membrane with high protein-binding capacity and low background.
- For Western blotting, dot blots and other protein or nucleic acid methods.
- Suitable for proteins across a broad molecular-weight range and nucleic acids >300 bp.



Applications

Protein and nucleic acid detection; suitable for nucleic acids >300 bp.

Sample / input

Proteins and nucleic acids >300 bp.

Ordering options

CATALOG NO.	PACK SIZE
NC022	30x300 cm

Storage

Store between 15°C and 25°C.

Shipping

Ship at ambient temperature.

Product details & documents

[ecotechbiotech.com/ NC022](https://ecotechbiotech.com/NC022)



ClearBand

Nitrocellulose Membrane, 0.45 µm, Roll

- 100% nitrocellulose membrane with high protein-binding capacity and low background.
- For Western blotting, dot blots and other protein or nucleic acid methods.
- Suitable for proteins across a broad molecular-weight range and nucleic acids >300 bp.



Applications

Protein and nucleic acid detection; suitable for nucleic acids >300 bp.

Sample / input

Proteins and nucleic acids >300 bp.

Ordering options

CATALOG NO.	PACK SIZE
NC045	30x300 cm

Storage

Store between 15°C and 25°C.

Shipping

Ship at ambient temperature.

Product details & documents

[ecotechbiotech.com/ NC045](https://ecotechbiotech.com/NC045)



ClearBand

Non-Fat Milk Powder

- A high-quality blocking reagent designed for use in a wide range of immunoassay applications, including Western blotting, ELISA, immunodetection, and related protein-based assays.
- It is used to effectively block unoccupied binding sites on membranes or microplate surfaces, thereby helping to reduce non-specific binding, lower background staining, and improve signal clarity.

Applications

It is used to effectively block unoccupied binding sites on membranes or microplate surfaces, thereby helping to reduce non-specific binding, lower background staining, and improve signal clarity.

Ordering options

CATALOG NO.	PACK SIZE
C1250	250 g

Storage

Store between 2°C and 8°C.

Shipping

Ship at ambient temperature.

Product details & documents

ecotechbiotech.com/C1250



ClearBand

Phosphate Buffered Saline (10x), pH 7.4

- ClearBand Phosphate-Buffered Saline (PBS) is a balanced salt solution, which is used for a number of cell culture applications including washing cells before trypsinization, transport of cells or tissue samples, diluting cells for counting, and preparing reagents.
- ClearBand PBS does not contain calcium and magnesium for rinsing chelators from the culture before cell dissociation.
- ClearBand PBS is prepared with ultrapure water, filter sterilized and autoclaved.



Applications

ClearBand Phosphate-Buffered Saline (PBS) is a balanced salt solution, which is used for a number of cell culture applications including washing cells before trypsinization, transport of cells or tissue samples, diluting cells for counting, and preparing reagents.

Ordering options

CATALOG NO.	PACK SIZE
PBS10x-500	500 mL
PBS10x-5005	5x500 mL
PBS10x-1000	1000 mL

Storage

Store between 15°C and 25°C.

Shipping

Ship at ambient temperature.

Product details & documents

[ecotechbiotech.com/ PBS10x-500](https://ecotechbiotech.com/PBS10x-500) / [PBS10x-5005](https://ecotechbiotech.com/PBS10x-5005) / [PBS10x-1000](https://ecotechbiotech.com/PBS10x-1000)



ClearBand

Ponceau S

- A ready-to-use solution for the rapid (5 min) and reversible detection of protein bands on nitrocellulose, PVDF and cellulose acetate membranes.
- This product rapidly stains proteins on membranes pink or light red.
- This staining solution is generally used to confirm protein transfer in Western blotting applications before probing with select antibodies.
- This product does not have a deleterious effect on the blotted polypeptides and can be completely removed from the membranes by repeated washing.



Applications

This staining solution is generally used to confirm protein transfer in Western blotting applications before probing with select antibodies.

Ordering options

CATALOG NO.	PACK SIZE
PS05	500 mL
PS052	2x500 mL

Storage

Store between 15°C and 25°C.

Shipping

Ship at ambient temperature.

Product details & documents

[ecotechbiotech.com/ PS05 / PS052](https://ecotechbiotech.com/PS05/PS052)



ClearBand

Prestained Protein Marker

- A protein standard containing 12 pre-stained proteins covering a wide molecular weight range from 10 to 245 kDa.
- Proteins are covalently coupled with a blue chromophore except for two reference bands (one green and one red band at 25 kDa and 75 kDa respectively) when separated on SDS-PAGE (Tris-glycine buffer).



Sample / input

Protein standards: 12 bands, 10-245 kDa.

Ordering options

CATALOG NO.

PACK SIZE

PM12

250 µL / 50 load

Storage

Store at 4°C for 3 months or -20°C for 24 months.

Shipping

Ship at ambient temperature.

Product details & documents

ecotechbiotech.com/PM12



ClearBand

Prestained Protein Marker II

- A protein standard containing 11 pre-stained proteins covering a wide molecular weight range from 8 to 270 kDa.
- Proteins are covalently coupled with a blue chromophore except for three reference bands (red bands at 8 kDa, 30 kDa and 90 kDa) when separated on SDS-PAGE (Tris-glycine buffer).



Sample / input

Protein standards: 11 bands, 8-270 kDa.

Ordering options

CATALOG NO.

PACK SIZE

PM11

250 µL / 50 load

Storage

Store at 4°C for 3 months or -20°C for 24 months.

Shipping

Ship at ambient temperature.

Product details & documents

ecotechbiotech.com/PM11



ClearBand

PVDF Membrane, 0.22 µm, Roll

- ClearBand Polyvinylidene Fluoride (PVDF) membranes display good mechanical strength, strong protein retention, low background, extensive solvent compatibility, and coloring ability.
- Exceptional strength, high binding capacity and chemical compatibility of ClearBand PVDF membrane make it ideal for use in Western blots, immunoblotting, and solid phase assays and plaque lifts.
- ClearBand PVDF membranes are highly hydrophobic and must be pre-wetted with methanol prior to submersion in transfer buffer.
- It has exceptional tensile strength, preventing it from cracking, tearing, breaking or curling.



Ordering options

CATALOG NO.	PACK SIZE
PVDF022	30x300 cm

Storage

Store between 15°C and 25°C.

Shipping

Ship at ambient temperature.

Product details & documents

[ecotechbiotech.com/ PVDF022](https://ecotechbiotech.com/PVDF022)



ClearBand

PVDF Membrane, 0.45 µm, Roll

- ClearBand Polyvinylidene Fluoride (PVDF) membranes display good mechanical strength, strong protein retention, low background, extensive solvent compatibility, and coloring ability.
- Exceptional strength, high binding capacity and chemical compatibility of ClearBand PVDF membrane make it ideal for use in Western blots, immunoblotting, and solid phase assays and plaque lifts.
- ClearBand PVDF membranes are highly hydrophobic and must be pre-wetted with methanol prior to submersion in transfer buffer.
- It has exceptional tensile strength, preventing it from cracking, tearing, breaking or curling.



Ordering options

CATALOG NO.	PACK SIZE
PVDF045	30x300 cm

Storage

Store between 15°C and 25°C.

Shipping

Ship at ambient temperature.

Product details & documents

[ecotechbiotech.com/ PVDF045](https://ecotechbiotech.com/PVDF045)



ClearBand

Re-Blot Stripping Solution

- Ready-to-use reagent for removing primary and secondary antibodies from nitrocellulose and PVDF membranes.
- Allows membranes to be reprobed with different antibodies or optimized antibody concentrations.



Applications

Reprobing nitrocellulose or PVDF membranes for different targets or antibody concentrations.

Ordering options

CATALOG NO.	PACK SIZE
RBS500	500 mL

Storage

Store between 15°C and 25°C.

Shipping

Ship at ambient temperature.

Product details & documents

ecotechbiotech.com/RBS500



ClearBand

RIPA Lysis Buffer

- Formulated for efficient and complete cell lysis and solubilization of proteins.
- This product enables protein extraction from cytoplasmic, membrane and nuclear proteins and is compatible with several applications, including reporter assays, protein assays, immunoassays and protein purification.



Applications

This product is formulated for efficient and complete cell lysis and solubilization of proteins.

Ordering options

CATALOG NO.	PACK SIZE
RIPA-100	100 mL

Storage

Store between 2°C and 8°C.

Shipping

Ship at ambient temperature.

Product details & documents

[ecotechbiotech.com/ RIPA-100](https://ecotechbiotech.com/RIPA-100)



ClearBand

RIPA Lysis Buffer, Complete System

- A convenient and effective solution designed for the extraction of total protein from cultured cells and tissue samples.
- The system combines a ready-to-use RIPA Lysis Buffer with 100X Protease Inhibitor Cocktail and 100X PMSF, providing a practical format for efficient protein extraction while helping protect proteins from proteolytic degradation during the lysis process.



Applications

This product is a convenient and effective solution designed for the extraction of total protein from cultured cells and tissue samples.

Sample / input

Cultured cells and tissue samples.

Ordering options

CATALOG NO.	PACK SIZE
RIPA50CS	50 mL

Storage

Store RIPA Lysis Buffer at 4°C. Store 100x Protease Inhibitor Cocktail and 100x PMSF at -20°C.

Shipping

Ship with blue ice.

Product details & documents

ecotechbiotech.com/RIPA50CS



ClearBand

Super ECL Western Blotting Substrate

- A non-radioactive, enhanced luminol-based chemiluminescent substrate formulated for highly sensitive (femtogram-level) detection of horseradish peroxidase (HRP) on immunoblots.
- It provides a high signal-to-noise ratio and low background.
- Prepare fresh working solution by mixing Solution A and Solution B at a 1:1 ratio immediately before use.
- Incubate the membrane for about 2 minutes at room temperature, then detect the signal using X-ray film or an imaging system.



Applications

This product is a non-radioactive, enhanced luminol-based chemiluminescent substrate formulated for highly sensitive (femtogram-level) detection of horseradish peroxidase (HRP) on immunoblots.

Ordering options

CATALOG NO.	PACK SIZE
SECL20	20 mL
SECL50	50 mL

Storage

Store between 15°C and 25°C.

Shipping

Ship at ambient temperature.

Product details & documents

[ecotechbiotech.com/ SECL20 / SECL50](http://ecotechbiotech.com/SECL20/SECL50)



ClearBand

Tris-Buffered Saline (10x), pH 7.6

- ClearBand 10x Tris-Buffered Saline (TBS) is a balanced pH-stabilizing salt solution used especially for Western blotting and ELISA procedures.
- ClearBand TBS enables washing without disturbing antibody-antigen binding interactions.
- ClearBand 10x TBS should be diluted to 1x working solution.
- ClearBand 10x TBS is prepared with ultrapure water and filter sterilized.



Applications

ClearBand 10x Tris-Buffered Saline (TBS) is a balanced pH-stabilizing salt solution used especially for Western blotting and ELISA procedures.

Ordering options

CATALOG NO.	PACK SIZE
TB05	500 mL
TB10	1000 mL

Storage

Store between 15°C and 25°C.

Shipping

Ship at ambient temperature.

Product details & documents

ecotechbiotech.com/TB05/TB10



ClearBand

Tris-Glycine Buffer (10x), pH 8.3

- ClearBand Tris-Glycine Buffer (10x) is an ideal stock solution for preparing standard Tris-glycine transfer buffer used for Western blotting.
- ClearBand Tris-Glycine Buffer (10x) is prepared with ultrapure water and filtered sterile.



Applications

ClearBand Tris-Glycine Buffer (10x) is an ideal stock solution for preparing standard Tris-glycine transfer buffer used for Western blotting.

Ordering options

CATALOG NO.	PACK SIZE
TG05	500 mL
TG10	1000 mL

Storage

Store at room temperature (15°C-25°C).

Shipping

Ship at ambient temperature.

Product details & documents

[ecotechbiotech.com/ TG05 / TG10](https://ecotechbiotech.com/TG05/TG10)



ClearBand

Tris-Glycine-SDS Running Buffer 10x

- ClearBand 10x Tris/Glycine/SDS Running Buffer, pH 8.3, is formulated for separation of proteins in the denatured form on sodium dodecyl sulfate - polyacrylamide gel electrophoresis (SDS-PAGE).
- ClearBand 10x Tris/Glycine/SDS Running Buffer provides a convenient way to ensure high-quality, consistent, and reproducible electrophoresis results.
- ClearBand 10x Tris/Glycine/SDS Running Buffer is filter sterilized and prepared with ultrapure water.



Applications

ClearBand 10x Tris/Glycine/SDS Running Buffer, pH 8.3, is formulated for separation of proteins in the denatured form on sodium dodecyl sulfate - polyacrylamide gel electrophoresis (SDS-PAGE).

Ordering options

CATALOG NO.	PACK SIZE
TGS05	500 mL
TGS055	5x500 mL
TGS10	1000 mL

Storage

Store between 15°C and 25°C.

Shipping

Ship at ambient temperature.

Product details & documents

ecotechbiotech.com/TGS05 / [TGS055](https://ecotechbiotech.com/TGS055) / [TGS10](https://ecotechbiotech.com/TGS10)



ClearBand

WellTracker, 100x

- ClearBand WellTracker is specifically formulated to easily see the wells of the SDS-PAGE gels when loading samples.
- It is supplied as 100x concentrate and added in stacking gel to better visualize the wells of the gel.
- The special dye within ClearBand WellTracker migrates with bromophenol blue and does not interfere with the samples when they run in the gel.
- It is totally inert and does not affect the transfer efficiency of proteins from gel to the membrane.



Applications

ClearBand WellTracker is specifically formulated to easily see the wells of the SDS-PAGE gels when loading samples.

Ordering options

CATALOG NO.	PACK SIZE
WT1	1 mL
WT5	5x1 mL

Storage

Store between 15°C and 25°C.

Shipping

Ship at ambient temperature.

Product details & documents

ecotechbiotech.com/WT1/WT5



ClearBand

Western Blot Boxes

- Available in three sizes for whole blots, half blots and strips.
- Small: 6.5 × 4.5 × 2.5 cm.
- Medium: 9.5 × 6.5 × 2.5 cm.
- Large: 11.5 × 7.5 × 3.0 cm.



Ordering options

CATALOG NO.	PACK SIZE	CATALOG NO.	PACK SIZE
WBB001	Small	WBB00120	Small / 20 boxes
WBB010	Medium	WBB01010	Medium / 10 boxes
WBB100	Large	WBB10010	Large / 10 boxes

Storage

Store between 15°C and 25°C.

Shipping

Ship at ambient temperature.

Product details & documents

ecotechbiotech.com/WBB001 / [WBB00120](https://ecotechbiotech.com/WBB00120) / [WBB010](https://ecotechbiotech.com/WBB010) / [WBB01010](https://ecotechbiotech.com/WBB01010) / [WBB100](https://ecotechbiotech.com/WBB100) / [WBB10010](https://ecotechbiotech.com/WBB10010)



ClearPAGE

Tris-Glycine PreCast Gel, 4-20%, 10 wells

- 4-20% Tris-Glycine precast gels in a 10-well format.
- Mini cassette size: 10 × 8.9 cm.
- Compatible with commonly used protein electrophoresis systems, including Bio-Rad®.



Applications

Protein gel electrophoresis.

Ordering options

CATALOG NO.	PACK SIZE
PCG42010	10 gels

Storage

Stable for 1 year at 4°C, do not freeze.

Shipping

Ship with blue ice.

Product details & documents

ecotechbiotech.com/PCG42010



05 / COLLECTION

Cell Culture



24 product groups

36 catalog variants

Explore the products in this collection

NutriCulture

100X CellSAFE SHIFT Blue

- NutriCulture 100x CellSAFE SHIFT Blue is a ready-to-use concentrated solution developed to help maintain the water pan of CO₂ incubators in a cleaner and safer condition during routine cell and tissue culture applications.
- The product supports the prevention of undesired microbial and fungal growth in incubator water pans, helping to reduce contamination-related risks in cell culture laboratories.



Applications

NutriCulture 100x CellSAFE SHIFT Blue is a ready-to-use concentrated solution developed to help maintain the water pan of CO₂ incubators in a cleaner and safer condition during routine cell and tissue culture applications.

Ordering options

CATALOG NO.	PACK SIZE
CSSB50	50 mL
CSSB100	100 mL

Storage

Store between 15°C and 25°C.

Shipping

Ship at ambient temperature.

Product details & documents

ecotechbiotech.com/CSSB50/CSSB100



NutriCulture

Antibiotic/Antimycotic (100x)

- Combines antibacterial and antifungal activity for cell culture applications.
- Active against Gram-positive and Gram-negative bacteria, fungi and yeasts.



Applications

Prevention of bacterial and fungal contamination in cell cultures.

Ordering options

CATALOG NO.	PACK SIZE
AA100	100 mL

Storage

Store at -20°C.

Shipping

Ship with dry ice.

Product details & documents

ecotechbiotech.com/AA100



NutriCulture

Cell Cycle Analysis Kit

- This product detects alterations in cell cycle by measuring DNA content.
- Intended to be used to detect the DNA content (cell cycle) of cultured suspension or adherent cells.



Applications

This product is intended to be used to detect the DNA content (cell cycle) of cultured suspension or adherent cells.

Sample / input

Cultured suspension or adherent cells.

Ordering options

CATALOG NO.	PACK SIZE
CCA20	20 rxn
CCA50	50 rxn
CCA100	100 rxn

Storage

Store RNase A Reagent at -20°C. Store Propidium Iodide (PI) Staining Solution at 4-8°C.

Shipping

Ship at ambient temperature.

Product details & documents

ecotechbiotech.com/CCA20/CCA50/CCA100



NutriCulture

Cell Viability Detection Kit-8

- WST-8 colorimetric assay for cell proliferation and cytotoxicity studies.
- Water-soluble formazan signal is proportional to the number of living cells.
- One-bottle solution; no component premixing required.



Ordering options

CATALOG NO.	PACK SIZE
CVDK-8	5 mL

Storage

Store between 2°C and 8°C.

Shipping

Ship at ambient temperature.

Product details & documents

ecotechbiotech.com/CVDK-8



NutriCulture

CellSAFE 100X

- Antimicrobial and fungicidal solution for controlling contamination in cell culture incubators.
- Designed to help maintain clean incubators without affecting the morphology or proliferation of routinely cultured cells.



Applications

Contamination control in cell culture incubators.

Ordering options

CATALOG NO.	PACK SIZE
CS50	50 mL
CS100	100 mL

Storage

Store between 15°C and 25°C.

Shipping

Ship at ambient temperature.

Product details & documents

ecotechbiotech.com/CS50/CS100



NutriCulture

CellSAFE 100X, Water Bath

- NutriCulture 100X CellSAFE Water Bath is a concentrated solution developed for routine maintenance of laboratory water baths used in cell culture, molecular biology, microbiology, and general life science workflows.
- It is designed to help maintain cleaner water bath conditions and support good laboratory hygiene during routine operation.



Applications

It is designed to help maintain cleaner water bath conditions and support good laboratory hygiene during routine operation.

Ordering options

CATALOG NO.	PACK SIZE
CSB50	50 mL
CSB100	100 mL

Storage

Store between 15°C and 25°C.

Shipping

Ship at ambient temperature.

Product details & documents

ecotechbiotech.com/CSB50/CSB100



NutriCulture

Colorimetric Caspase-8 Activity Assay Kit

- Colorimetric assay for caspase-8 activity using the IETD-pNA substrate.
- Quantifies released p-nitroaniline (pNA) by absorbance at 400 or 405 nm.
- Compare apoptotic samples with an uninduced control to determine the fold increase in activity.



Sample / input

Mammalian cells; apoptotic samples and uninduced controls.

Ordering options

CATALOG NO.	PACK SIZE
C8A100	100 tests

Storage

Store at -20°C.

Shipping

Ship with blue/dry ice.

Product details & documents

ecotechbiotech.com/C8A100



NutriCulture

CrystalStain, Cell Staining Solution

- A frequently used reagent to visualize cells in cell culture applications like single cell colony assay, Transwell migration assay or Transwell invasion assay.



Applications

This product is a frequently used reagent to visualize cells in cell culture applications like single cell colony assay, Transwell migration assay or Transwell invasion assay.

Ordering options

CATALOG NO.	PACK SIZE
CSS50	50 mL
CSS100	100 mL

Storage

Store the kit between 15°C and 25°C.

Shipping

Ship at ambient temperature.

Product details & documents

[ecotechbiotech.com/ CSS50 / CSS100](https://ecotechbiotech.com/CSS50/CSS100)



NutriCulture

DMEM, High Glucose

- Basal cell culture medium with 4500 mg/L glucose.
- Four-fold amino acid and vitamin concentrations relative to Eagle's Minimal Essential Medium.
- Prepared with tissue culture-grade water and sterile filtered through a 0.1 µm filter.
- Each lot is tested for bacterial, fungal and mycoplasmal contamination.



Applications

Culture of mammalian cells, including primary fibroblasts, neurons, glial cells and established cell lines.

Ordering options

CATALOG NO.	PACK SIZE
DMEM-HG	500 mL

Storage

Store between 2°C and 8°C.

Shipping

Ship at ambient temperature.

Product details & documents

ecotechbiotech.com/DMEM-HG



NutriCulture

DMSO (Dimethyl Sulfoxide), Sterile

- This product is a colorless, polar, aprotic organic solvent used in chemical research.
- It is miscible with water and many other organic solvents.
- This product is also widely used in polymerase chain reactions (PCR) as a co-solvent, helping to inhibit the formation of secondary structures from DNA fragments and as a cryoprotectant vitrification agent for the preservation of cells, tissues and organs via prevention of ice crystal formation during cryopreservation.



Applications

This product, is a colorless, polar, aprotic organic solvent used in chemical research.

Ordering options

CATALOG NO.	PACK SIZE	CATALOG NO.	PACK SIZE
DMSO50	50 mL	DMSO505	5x50 mL
DMSO100	100 mL	DMSO1005	5x100 mL

Storage

Store between 15°C and 25°C.

Shipping

Ship at ambient temperature.

Product details & documents

ecotechbiotech.com/DMSO50 / [DMSO505](https://ecotechbiotech.com/DMSO505) / [DMSO100](https://ecotechbiotech.com/DMSO100) / [DMSO1005](https://ecotechbiotech.com/DMSO1005)



NutriCulture

EcoTRAX Transfection Reagent

- Transfection reagent for delivery of plasmid DNA, siRNA or microRNA into eukaryotic cells.
- After mixing with nucleic acids, the reagent protects its cargo from degradation and supports efficient delivery.
- The procedure can be completed in 30 minutes.



Applications

This product is formulated as a powerful transfection reagent that ensures effective and reproducible transfection with low cytotoxicity.

Sample / input

Plasmid DNA, siRNA or microRNA for delivery into eukaryotic cells.

Ordering options

CATALOG NO.	PACK SIZE
ETRA1	100 µL
ETRA3	3x100 µL

Storage

Store at -20°C.

Shipping

Ship with blue ice.

Product details & documents

ecotechbiotech.com/ETRA1/ETRA3



NutriCulture

Fetal Bovine Serum (FBS), Heat Inactivated

- NutriCulture Fetal Bovine Serum (FBS) is used to supplement basal growth medium in cell culture applications.
- NutriCulture FBS can provide the cell health, maintenance and viability critical for optimal performance and cell growth in your culture medium.
- Heat inactivation of serum is performed by raising the temperature of the serum to 56°C and maintaining that temperature for 30 minutes.



Applications

NutriCulture Fetal Bovine Serum (FBS) is used to supplement basal growth medium in cell culture applications.

Ordering options

CATALOG NO.	PACK SIZE
FBS50	50 mL

Storage

Store at -20°C.

Shipping

Ship with dry ice.

Product details & documents

ecotechbiotech.com/FBS50



NutriCulture

JC-1 Mitochondrial Membrane Potential Assay Kit

- This product uses JC-1, a lipophilic cationic dye, to detect the mitochondrial membrane potential in a variety of cell types, as well as intact tissues and isolated mitochondria.



Sample / input

Cells, intact tissues and isolated mitochondria.

Ordering options

CATALOG NO.	PACK SIZE
JMM100	100 tests

Storage

Store at -20°C with protection from light.

Shipping

Ship with wet ice.

Product details & documents

ecotechbiotech.com/JMM100



NutriCulture

L-Glutamine (200 mM)

- A ready-to-use 200 mM stock solution that acts as a cell culture supplement.
- The optimal concentration depends on the cell type and medium used to culture the cells, but generally falls in the range of 2-6 mM.



Applications

The optimal concentration depends on the cell type and medium used to culture the cells, but generally falls in the range of 2-6 mM.

Ordering options

CATALOG NO.	PACK SIZE
LG100	100 mL

Storage

Store at -20°C.

Shipping

Ship with dry ice.

Product details & documents

ecotechbiotech.com/LG100



NutriCulture

LDH Cytotoxicity Assay Kit

- For measuring cell damage by quantifying the activity of lactate dehydrogenase (LDH) released by cells into the culture medium.
- LDH is an enzyme present in the cytoplasm, and is released into the culture medium when the cell membrane is damaged.
- Since the released LDH is stable, measuring the amount of LDH in the medium can be used as an indicator to measure the quantity of dead and damaged cells.



Applications

Since the released LDH is stable, measuring the amount of LDH in the medium can be used as an indicator to measure the quantity of dead and damaged cells.

Sample / input

Culture medium containing LDH released by damaged cells.

Ordering options

CATALOG NO.	PACK SIZE
LCA100	100 tests

Storage

Store at -20°C with protection from light.

Shipping

Ship with wet ice.

Product details & documents

ecotechbiotech.com/LCA100



NutriCulture

Live-Dead Cell (Calcein AM/PI) Staining Kit

- Dual Calcein AM/PI fluorescence staining to distinguish live and dead mammalian cells.
- For cell viability and cytotoxicity analysis; live-cell detection relies on esterase activity.



Applications

Live/dead analysis of mammalian cells using Calcein AM and PI.

Sample / input

Mammalian cells with esterase activity.

Ordering options

CATALOG NO.	PACK SIZE
LDC500	500 tests

Storage

Store at -20°C with protection from light.

Shipping

Ship with wet ice.

Product details & documents

ecotechbiotech.com/LDC500



NutriCulture

Mycoplasma Detection Kit

- For screening newly introduced cell lines and primary cell cultures for mycoplasma.
- Suitable for periodic monitoring of routinely maintained cultures.
- Supports rapid screening of multiple samples.



Applications

This product is useful for the routine screening of cell lines newly introduced into the laboratory, for initial analysis of primary cell cultures, and for the periodic monitoring of routinely used cell cultures.

Sample / input

Cell lines, primary cell cultures and routinely used cell cultures.

Ordering options

CATALOG NO.

PACK SIZE

MDK50

50 tests

Storage

Store at -20°C.

Shipping

Ship with blue ice.

Product details & documents

ecotechbiotech.com/MDK50



NutriCulture

Mycoplasma Elimination Kit

- Used for removal of mycoplasma from infected cell cultures with no cytotoxic side effects observed.
- This product can effectively eliminate mycoplasma strains, that are responsible for more than 85% of the contaminations in animal cell cultures (*Acholeplasma laidlawii*, *Mycoplasma arginini*, *Mycoplasma hyorhinis*, and *Mycoplasma orale*), from experimentally contaminated and chronically infected cell lines.



Applications

This product is used for removal of mycoplasma from infected cell cultures with no cytotoxic side effects observed.

Sample / input

Mycoplasma-infected cell cultures.

Ordering options

CATALOG NO.

PACK SIZE

MEK25

50 cycle

Storage

Store at -20°C.

Shipping

Ship with blue ice.

Product details & documents

ecotechbiotech.com/MEK25



NutriCulture

Penicillin-Streptomycin

- Prevents bacterial contamination in cell cultures through combined activity against Gram-positive and Gram-negative bacteria.



Applications

Prevention of bacterial contamination in cell cultures.

Ordering options

CATALOG NO.	PACK SIZE
PS100	100 mL

Storage

Store at -20°C.

Shipping

Ship with dry ice.

Product details & documents

ecotechbiotech.com/PS100



NutriCulture

Phosphate Buffered Saline (1x), pH 7.4

- NutriCulture Phosphate-Buffered Saline (PBS) is a balanced salt solution, which is used for a number of cell culture applications including washing cells before trypsinization, transport of cells or tissue samples, diluting cells for counting, and preparing reagents.
- NutriCulture PBS does not contain calcium and magnesium for rinsing chelators from the culture before cell dissociation.
- NutriCulture PBS is prepared with ultrapure water, filter sterilized and autoclaved.



Applications

NutriCulture Phosphate-Buffered Saline (PBS) is a balanced salt solution, which is used for a number of cell culture applications including washing cells before trypsinization, transport of cells or tissue samples, diluting cells for counting, and preparing reagents.

Ordering options

CATALOG NO.	PACK SIZE
PBS1x-500	500 mL
PBS1x-50010	10x500 mL

Storage

Store between 15°C and 25°C.

Shipping

Ship at ambient temperature.

Product details & documents

[ecotechbiotech.com/ PBS1x-500 / PBS1x-50010](https://ecotechbiotech.com/PBS1x-500/PBS1x-50010)



NutriCulture

RPMI 1640

- Formulated for mammalian cell culture in a 5% CO₂ atmosphere.
- Suitable for a range of mammalian cells, including HeLa, Jurkat, MCF-7, PC12, PBMC and astrocytes.
- Used for serum-free expansion of human lymphoid cells for karyotype analysis.
- Each lot is tested for bacterial, fungal and mycoplasma contamination.



Applications

This product has also traditionally been used for the serum-free expansion of human lymphoid cells for karyotype analysis.

Ordering options

CATALOG NO.	PACK SIZE
RPMI500	500 mL

Storage

Store between 2°C and 8°C.

Shipping

Ship at ambient temperature.

Product details & documents

ecotechbiotech.com/RPMI500



NutriCulture

Trypan Blue

- This product, 0.4% Solution is a frequently used reagent to count cells in cell culture facilities when subculturing cells or using them in further functional in vitro and in vivo assays.
- It is also used to measure cell viability using dye exclusion assay, where only dead cells are stained with This product, while viable cells are not stained.



Applications

It is also used to measure cell viability using dye exclusion assay, where only dead cells are stained with This product, while viable cells are not stained.

Sample / input

Cell suspensions for counting and viability assessment.

Ordering options

CATALOG NO.	PACK SIZE
TRY-B100	100 mL
TRY-B1005	5x100 mL

Storage

Store between 15°C and 25°C.

Shipping

Ship at ambient temperature.

Product details & documents

[ecotechbiotech.com/ TRY-B100 / TRY-B1005](https://ecotechbiotech.com/TRY-B100/TRY-B1005)



NutriCulture

Trypsin-EDTA (0.05%), phenol red

- Used for cell dissociation, routine cell culture passaging, and primary tissue dissociation.
- The trypsin concentration required for dissociation may vary depending on cell type and experimental requirements.



Applications

This product is used for cell dissociation, routine cell culture passaging, and primary tissue dissociation.

Ordering options

CATALOG NO.	PACK SIZE
TE005	100 mL

Storage

Store at -20°C with protection from light. Once opened, use within 6-8 weeks.

Shipping

Ship with wet ice.

Product details & documents

ecotechbiotech.com/TE005



NutriCulture

Trypsin-EDTA (0.25%), phenol red

- Used for cell dissociation, routine cell culture passaging, and primary tissue dissociation.
- The trypsin concentration required for dissociation may vary depending on cell type and experimental requirements.



Applications

This product is used for cell dissociation, routine cell culture passaging, and primary tissue dissociation.

Ordering options

CATALOG NO.	PACK SIZE
TE025	100 mL

Storage

Store at -20°C with protection from light. Once opened, use within 6-8 weeks.

Shipping

Ship with wet ice.

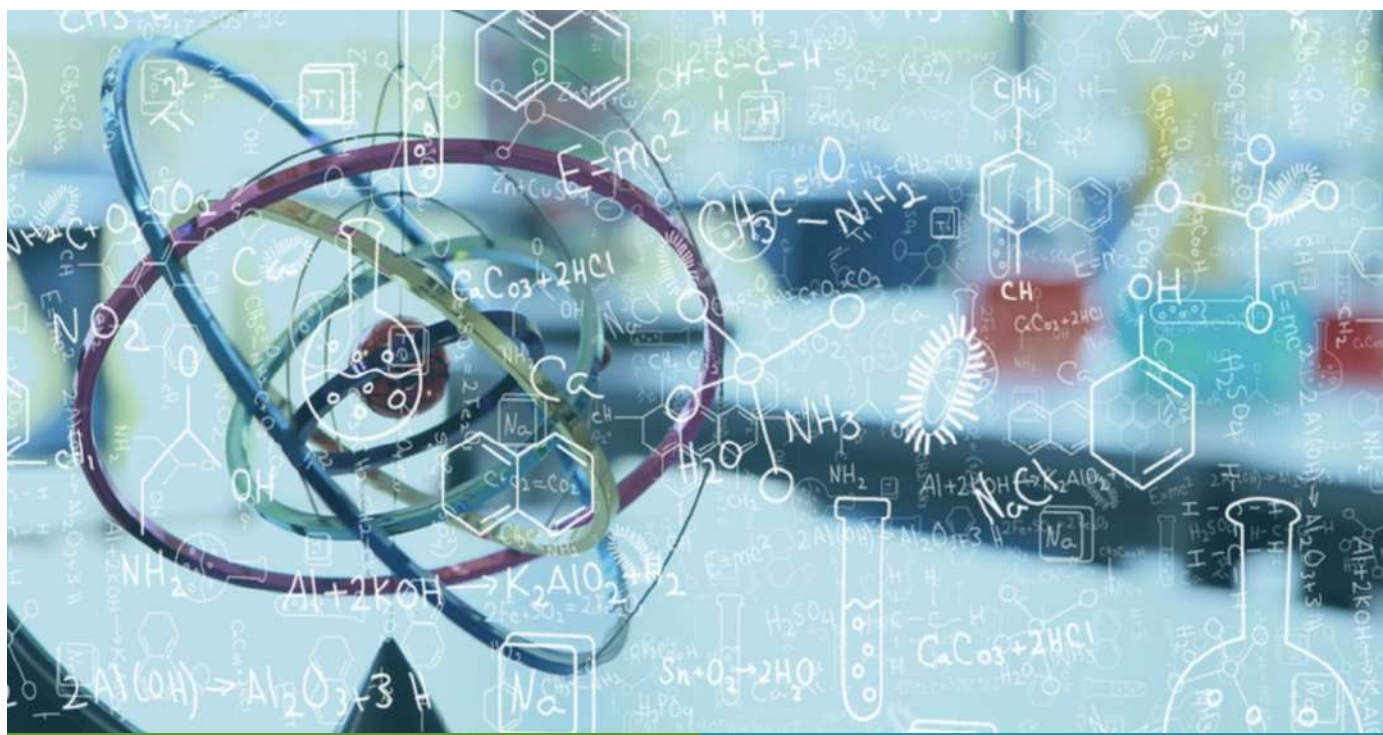
Product details & documents

ecotechbiotech.com/TE025



06 / COLLECTION

Chemicals



36 product groups

77 catalog variants

Explore the products in this collection

ChemiPURE

Acrylamide, Electrophoresis Grade, ≥99%

CAS No.	79-06-1
Molecular weight (MW)	71.08 g/mol
Molecular formula	C ₃ H ₅ NO
Purity	≥99%
Appearance	White crystalline powder
Solubility	Soluble 2.5 g in 10 mL water



Product overview

- ChemiPURE Acrylamide, electrophoresis grade, >99%, is a water-soluble compound that cross-links to produce polyacrylamide gels that are widely used in chromatography and the electrophoretic separation of nucleic acids and proteins.

Ordering options

CATALOG NO.	PACK SIZE
ACR01	100 g
ACR05	500 g

Storage

Store at room temperature (15-25°C) in a tightly closed container.

Shipping

Ship at ambient temperature.

Product details & documents

ecotechbiotech.com/ACR01/ACR05



ChemiPURE

Agarose, Electrophoresis Grade

CAS No. 9012-36-6

Appearance White powder



Product overview

- High-purity agarose for routine DNA electrophoresis.
- For preparative and analytical electrophoresis of nucleic acids >100 bp.

Ordering options

CATALOG NO.	PACK SIZE
AGR01	100 g

Storage

Store at room temperature (15-25°C) in a tightly closed container.

Shipping

Ship at room temperature.

Product details & documents

[ecotechbiotech.com/ AGR01](https://ecotechbiotech.com/AGR01)



ChemiPURE

Ammonium Acetate, ≥ 98%

CAS No.	631-61-8
Purity	≥98%
Molecular weight (MW)	77.08 g/mol
Molecular formula	CH ₃ COONH ₄
Appearance	White crystalline powder



Product overview

- ChemiPURE Ammonium Acetate (CH₃COONH₄) is a high-purity laboratory reagent (≥98%) designed for research, analytical, biochemical, molecular biology, microbiology, and pharmaceutical laboratory applications.
- As a highly water-soluble ammonium salt, it is widely used in buffer preparation, nucleic acid purification, protein analysis, chromatography, and mass spectrometry workflows.

Ordering options

CATALOG NO.	PACK SIZE
AAC05	500 g
AAC10	1 kg

Storage

Store at room temperature (15-25°C) in a tightly closed container.

Shipping

Ship at ambient temperature.

Product details & documents

[ecotechbiotech.com/ AAC05 / AAC10](https://ecotechbiotech.com/AAC05/AAC10)



ChemiPURE

Ammonium Chloride, $\geq 99.5\%$

CAS No.	12125-02-9
Purity	$\geq 99.5\%$
Molecular weight (MW)	53.49 g/mol
Molecular formula	NH ₄ Cl
Appearance	White crystalline powder



Product overview

- ChemiPURE Ammonium Chloride (NH₄Cl) is a high-purity laboratory reagent ($\geq 99.5\%$) intended for research, analytical, biochemical, molecular biology, microbiology, and pharmaceutical laboratory applications.
- As a highly water-soluble ammonium salt, it is widely used in buffer preparation, microbiological media, cell biology, protein purification, and analytical chemistry applications.

Ordering options

CATALOG NO.	PACK SIZE
ACH05	500 g
ACH10	1 kg

Storage

Store at room temperature (15-25°C) in a tightly closed container.

Shipping

Ship at ambient temperature.

Product details & documents

ecotechbiotech.com/ACH05/ACH10



ChemiPURE

Ammonium Persulfate for molecular biology, suitable for electrophoresis

CAS No.	7727-54-0
Purity	≥98%
Molecular weight (MW)	228.20 g/mol
Molecular formula	H ₈ N ₂ O ₈ S ₂
Appearance	Crystalline powder
Density	1.982 g/cm ³ at 20° C



Product overview

- ChemiPURE Ammonium persulfate (APS) is a strong oxidizing agent widely used as a free radical initiator in polymerization reactions, particularly in polyacrylamide gel electrophoresis (PAGE).
- In the presence of TEMED, APS decomposes to generate free radicals that initiate the polymerization of acrylamide and bis-acrylamide, enabling rapid and uniform gel formation.
- Due to its high reactivity and reliability, APS is an essential component in SDS-PAGE and native PAGE applications, ensuring consistent gel quality and reproducible electrophoretic performance.

Ordering options

CATALOG NO.	PACK SIZE
APS10	10 g
APS25	25 g
APS100	100 g

Storage

Store at room temperature (15-25°C) in a tightly closed container. Protect from light and air. After opening, storage at 2-8°C is recommended to maintain stability.

Shipping

Ship at ambient temperature.

Product details & documents

ecotechbiotech.com/APS10/APS25/APS100



ChemiPURE

Ammonium Sulfate

CAS No.	7783-20-2
Purity	≥99%
Molecular weight (MW)	132.14 g/mol
Molecular formula	H ₈ N ₂ O ₄ S
Appearance	White crystalline powder



Product overview

- A highly water-soluble inorganic salt widely used in molecular biology and biochemistry, particularly for protein purification and fractionation by salting-out.
- It enables selective precipitation of proteins based on their solubility, allowing efficient concentration and partial purification from complex mixtures.
- Due to its stabilizing effect on protein structure and enzymatic activity, ammonium sulfate is also commonly used in enzyme storage and crystallization studies.

Ordering options

CATALOG NO.	PACK SIZE
AS05	500 g
AS10	1 kg

Storage

Store at room temperature (15-25°C) in a tightly closed container.

Shipping

Ship at ambient temperature.

Product details & documents

ecotechbiotech.com/AS05/AS10



ChemiPURE

Ampicillin Sodium Salt

CAS No.	69-52-3
Molecular weight (MW)	371.39 g/mol
Molecular formula	C ₁₆ H ₁₈ N ₃ NaO ₄ S
Appearance	White to light yellow powder



Product overview

- This product is a broad-spectrum β -lactam antibiotic widely used in molecular biology, microbiology, and cell culture applications.
- It is effective against a wide range of Gram-positive and Gram-negative bacteria by inhibiting bacterial cell wall synthesis through binding to penicillin-binding proteins (PBPs), ultimately leading to cell lysis.

Ordering options

CATALOG NO.	PACK SIZE
ASS05	5 g
ASS10	10 g
ASS25	25 g

Storage

Store between 4-8°C.

Shipping

Ship with blue ice.

Product details & documents

[ecotechbiotech.com/ ASS05 / ASS10 / ASS25](https://ecotechbiotech.com/ASS05/ASS10/ASS25)



ChemiPURE

Bis-Acrylamide, Electrophoresis Grade, ≥99%

CAS No.	110-26-9
Molecular weight (MW)	154.17 g/mol
Molecular formula	$C_7H_{10}N_2O_2$
Purity	≥99%
Appearance	White crystalline powder
Solubility	Clear, colorless solution in water



Product overview

- ChemiPURE Bis-Acrylamide, electrophoresis grade, >99%, is a water-soluble compound that cross-links to produce polyacrylamide gels that are widely used in chromatography and the electrophoretic separation of nucleic acids and proteins.

Ordering options

CATALOG NO.	PACK SIZE
BACR01	100 g

Storage

Store at room temperature (15-25°C) in a tightly closed container.

Shipping

Ship at ambient temperature.

Product details & documents

ecotechbiotech.com/BACR01



ChemiPURE

Boric Acid, $\geq 99.9\%$

CAS No.	10043-35-3
Purity	$\geq 99.9\%$
Molecular weight (MW)	61.83 g/mol
Molecular formula	H ₃ BO ₃
Appearance	White crystalline powder



Product overview

- ChemiPURE Boric Acid (H₃BO₃) is a high-purity laboratory reagent ($\geq 99.9\%$) intended for research, analytical, biochemical, and industrial laboratory applications.
- Boric acid is a weak inorganic acid widely used in molecular biology, electrophoresis, microbiology, analytical chemistry, and pharmaceutical laboratories due to its buffering properties and chemical stability.

Ordering options

CATALOG NO.	PACK SIZE
BAC05	500 g
BAC10	1 kg

Storage

Store at room temperature (15-25°C) in a tightly closed container.

Shipping

Ship at ambient temperature.

Product details & documents

ecotechbiotech.com/BAC05/BAC10



ChemiPURE

Bovine Serum Albumin

CAS No.	9048-46-8
Appearance	White to light yellow freeze-dried powder



Product overview

- Blocking agent for ELISA and Western blotting.
- Carrier protein for weak antigens; stabilizer in selected restriction enzyme reactions.
- Used in cell and microbial cultures and as a protein quantification standard.
- Prepared from bovine plasma using the heat-shock method.

Ordering options

CATALOG NO.	PACK SIZE	CATALOG NO.	PACK SIZE
BSA05	5 g	BSA10	10 g
BSA25	25 g	BSA50	50 g

Storage

Store between 4-8°C.

Shipping

Ship with blue ice.

Product details & documents

ecotechbiotech.com/BSA05/BSA10/BSA25/BSA50



ChemiPURE

Calcium Carbonate, ACS grade

CAS No.	471-34-1
Molecular weight (MW)	100.09 g/mol
Molecular formula	CaCO ₃
Purity	≥99%
Appearance	White powder



Product overview

- ChemiPURE Calcium Carbonate (CaCO₃) is a widely used inorganic compound with applications in analytical laboratories, chemical processing, biotechnology, and general research.
- It appears as a white, odorless powder and is practically insoluble in water, while readily reacting with acids to release carbon dioxide.

Ordering options

CATALOG NO.	PACK SIZE
CC10	100 g
CC25	250 g
CC50	500 g

Storage

Store at room temperature.

Shipping

Ship at ambient temperature.

Product details & documents

[ecotechbiotech.com/ CC10 / CC25 / CC50](https://ecotechbiotech.com/CC10/CC25/CC50)



ChemiPURE

Calcium Chloride Dihydrate, $\geq 99\%$

CAS number	10035-04-8
Purity	$\geq 99\%$
Molecular weight	147.02 g/mol
Molecular formula	$\text{CaCl}_2 \cdot 2\text{H}_2\text{O}$
Appearance	White crystalline powder



Applications

Buffer preparation, chemically competent bacterial cells, calcium-dependent enzyme reactions and culture media supplementation.

Sample / input

Bacterial systems, buffers and culture media.

Ordering options

CATALOG NO.	PACK SIZE
CCL205	500 g
CCL210	1 kg

Storage

15-25°C in a tightly closed container.

Shipping

Ambient temperature.

Product details & documents

ecotechbiotech.com/CCL205/CCL210



ChemiPURE

Coomassie Brilliant Blue, G-250

CAS No.	6104-58-1
Molecular weight (MW)	854.02 g/mol
Molecular formula	$C_{47}H_{48}N_3NaO_7S_2$
Appearance	Dark blue to brown powder



Product overview

- ChemiPURE Coomassie Brilliant Blue G-250 is a high-quality laboratory dye designed for research, molecular biology, biochemistry, proteomics, and analytical laboratory applications.
- It is widely used for sensitive protein staining and quantitative protein determination in a variety of biochemical assays.

Ordering options

CATALOG NO.	PACK SIZE
CBB05	5 g
CBB10	10 g
CBB25	25 g

Storage

Store at room temperature (15-25°C) in a tightly closed container.

Shipping

Ship at ambient temperature.

Product details & documents

[ecotechbiotech.com/CBB05 / CBB10 / CBB25](https://ecotechbiotech.com/CBB05/CBB10/CBB25)



ChemiPURE

di-Sodium Hydrogen Phosphate Dihydrate, $\geq 99.5\%$

CAS No.	10028-24-7
Purity	$\geq 99.5\%$
Molecular weight (MW)	177.99 g/mol
Molecular formula	$\text{Na}_2\text{HPO}_4 \cdot 2\text{H}_2\text{O}$
Appearance	White crystalline powder



Product overview

- ChemiPURE di-Sodium Hydrogen Phosphate Dihydrate ($\text{Na}_2\text{HPO}_4 \cdot 2\text{H}_2\text{O}$) is a high-purity laboratory reagent ($\geq 99.5\%$) suitable for research, analytical, biochemical, molecular biology, microbiology, and pharmaceutical laboratory applications.
- As an important component of phosphate buffer systems, it is widely used for preparing solutions that require stable physiological pH and controlled ionic strength.

Ordering options

CATALOG NO.	PACK SIZE
SHP05	500 g
SHP10	1 kg

Storage

Store at room temperature (15-25°C) in a tightly closed container.

Shipping

Ship at ambient temperature.

Product details & documents

ecotechbiotech.com/SHP05/SHP10



ChemiPURE

EDTA, Disodium Dihydrate, Molecular Biology Grade

CAS No.	6381-92-6
Molecular weight (MW)	372.24 g/mol
Molecular formula	$C_{10}H_{14}N_2Na_2O_8 \cdot 2H_2O$
Purity	≥99.5%
Appearance	White crystalline powder
Solubility	10% in water



Product overview

- This product chelates metal ions, forming an octahedral complex with divalent cations.
- This is useful in molecular biology research to inhibit enzymes dependent on activation by metal ions.

Ordering options

CATALOG NO.	PACK SIZE
EDD05	500 g
EDD10	1 kg

Storage

Store at room temperature (15-25°C) in a tightly closed container.

Shipping

Ship at ambient temperature.

Product details & documents

[ecotechbiotech.com/ EDD05 / EDD10](https://ecotechbiotech.com/EDD05/EDD10)



ChemiPURE

Glycerol

CAS No.	56-81-5
Purity	≥99%
Molecular weight (MW)	92.1 g/mol
Molecular formula	C ₃ H ₈ O ₃
Appearance	Liquid
Density	1.26 g/cm ³ at 20° C



Product overview

- A highly pure, water-miscible polyol widely used in molecular biology, biochemistry, and cell biology applications.
- It serves as a stabilizing agent for enzymes and proteins by preventing denaturation and maintaining structural integrity during storage and handling.
- Glycerol is commonly used in enzyme storage buffers, cryopreservation media, and loading buffers for electrophoresis due to its ability to increase solution density and protect biological activity under various conditions.

Ordering options

CATALOG NO.	PACK SIZE
G500	500 mL
G1L	1L

Storage

Store at room temperature (15-25°C) in a tightly closed container.

Shipping

Ship at ambient temperature.

Product details & documents

[ecotechbiotech.com/ G500 / G1L](https://ecotechbiotech.com/G500/G1L)



ChemiPURE

Glycine, Molecular Biology Grade

CAS No.	56-40-6
Molecular weight (MW)	75.07 g/mol
Molecular formula	C ₂ H ₅ NO ₂
Purity	≥99%
Appearance	White
Solubility	Soluble 249.9 g in 1000 mL water



Product overview

- A component of Tris-Glycine and Tris-Glycine-SDS running buffers for polyacrylamide gel electrophoresis.

Ordering options

CATALOG NO.	PACK SIZE
GL05	500 g
GL10	1 kg

Storage

Store at room temperature (15-25°C) in a tightly closed container.

Shipping

Ship at ambient temperature.

Product details & documents

ecotechbiotech.com/GL05/GL10



ChemiPURE

Guanidine Hydrochloride, ≥99%

CAS No.	50-01-1
Molecular weight (MW)	95.5 g/mol
Molecular formula	CH ₅ N ₃ HCl
Purity	≥99%
Appearance	White to off-white
Solubility	Water



Product overview

- ChemiPURE Guanidine Hydrochloride is a strong chaotropic agent and a strong denaturant of proteins.
- It is an inhibitor of RNase.
- It can solubilize insoluble or denatured proteins such as inclusion bodies.

Ordering options

CATALOG NO.	PACK SIZE
GH01	100 g
GH05	500 g

Storage

Store at room temperature.

Shipping

Ship at ambient temperature.

Product details & documents

ecotechbiotech.com/GH01/GH05



ChemiPURE

Guanidine Thiocyanate, ≥99%

CAS No.	593-84-0
Molecular weight (MW)	118.16 g/mol
Molecular formula	CH ₅ N ₃ .HSCN
Purity	≥99%
Appearance	White to off-white
Solubility	Water



Product overview

- Chaotropic agent for cell and organelle lysis.
- Protein denaturant for nucleic acid purification from crude cell lysates.

Ordering options

CATALOG NO.	PACK SIZE
GT01	100 g
GT05	500 g

Storage

Store at room temperature (15-25°C) in a tightly closed container.

Shipping

Ship at ambient temperature.

Product details & documents

[ecotechbiotech.com/ GT01 / GT05](https://ecotechbiotech.com/GT01/GT05)



ChemiPURE

IPTG, ≥99%

CAS No.	367-93-1
Purity	≥99%
Molecular weight (MW)	238.30 g/mol
Molecular formula	C ₉ H ₁₈ O ₅ S
Appearance	White crystalline powder

- Induces lac-regulated gene expression in bacterial systems.
- For recombinant protein expression and blue/white screening with X-Gal.
- Typical working range: 0.1-1 mM, depending on the host, vector and expression system.
- 100 mM stock: 23.83 mg/mL in sterile water; filter through a 0.22 µm membrane.

Applications

ChemiPURE IPTG (isopropyl β-D-1-thiogalactopyranoside) is a high-purity laboratory reagent (≥99%) widely used for controlled induction of gene expression in bacterial systems.

Ordering options

CATALOG NO.	PACK SIZE
IPTG01	1 g
IPTG05	5 g

Storage

Store at room temperature in a tightly closed container, protected from moisture and light.

Shipping

Ship at ambient temperature.

Product details & documents

[ecotechbiotech.com/ IPTG01 / IPTG05](https://ecotechbiotech.com/IPTG01/IPTG05)



ChemiPURE

Kanamycin Sulfate

CAS No.	25389-94-0
Molecular weight (MW)	582.58 g/mol
Molecular formula	C ₁₈ H ₃₆ N ₄ O ₁₁ ·H ₂ SO ₄
Appearance	White powder



Product overview

- This product is a broad-spectrum aminoglycoside antibiotic commonly used in molecular biology, microbiology, and cell culture applications.
- It exerts its antibacterial effect by binding to the 30S ribosomal subunit, leading to inhibition of protein synthesis and causing misreading of mRNA, ultimately resulting in bacterial cell death.

Ordering options

CATALOG NO.	PACK SIZE
KS05	5 g
KS10	10 g
KS25	25 g

Storage

Store between 4-8°C.

Shipping

Ship with blue ice.

Product details & documents

[ecotechbiotech.com/ KS05 / KS10 / KS25](https://ecotechbiotech.com/KS05/KS10/KS25)



ChemiPURE

Magnesium Chloride Hexahydrate, $\geq 99\%$

CAS No.	7791-18-6
Purity	$\geq 99\%$
Molecular weight (MW)	203.30 g/mol
Molecular formula	$\text{MgCl}_2 \cdot 6\text{H}_2\text{O}$
Appearance	White crystalline powder or crystals



Product overview

- ChemiPURE Magnesium Chloride Hexahydrate ($\text{MgCl}_2 \cdot 6\text{H}_2\text{O}$) is a high-purity laboratory reagent ($\geq 99\%$) intended for research, analytical, biochemical, molecular biology, microbiology, and industrial laboratory applications.
- As a highly water-soluble magnesium salt, it serves as an essential source of magnesium ions in a wide range of biological and chemical applications.

Ordering options

CATALOG NO.	PACK SIZE
MCH605	500 g
MCH610	1 kg

Storage

Store at room temperature (15-25°C) in a tightly closed container.

Shipping

Ship at ambient temperature.

Product details & documents

[ecotechbiotech.com/ MCH605 / MCH610](https://ecotechbiotech.com/MCH605/MCH610)



ChemiPURE

N,N,N',N'-Tetramethylethylenediamine (TEMED)

CAS No.	110-18-9
Synonym	1,2-Bis-(dimethylamino)ethane
Purity	≥99 %
Molecular formula	C ₆ H ₁₆ N ₂
Molecular weight (MW)	116.21 g/mol
Appearance	Colorless to yellow liquid
Density	0.77 g/mL



Product overview

- This product is a widely used organic compound that serves as an efficient catalyst for the polymerization of acrylamide and bis-acrylamide in polyacrylamide gel electrophoresis (PAGE).
- By accelerating the decomposition of ammonium persulfate (APS) into free radicals, TEMED facilitates rapid and uniform gel formation, ensuring consistent polymerization.
- Due to its high catalytic efficiency, TEMED is an essential component in SDS-PAGE and native PAGE applications, contributing to reproducible gel quality and reliable protein separation results.

Ordering options

CATALOG NO.	PACK SIZE
TMD025	25 mL
TMD100	100 mL

Storage

Store at room temperature (15-25°C) in a tightly closed container. Protect from light and air. After opening, storage at 2-8°C is recommended to maintain stability.

Shipping

Ship at ambient temperature.

Product details & documents

ecotechbiotech.com/TMD025/TMD100



ChemiPURE

Poly Acrylamide Gel Accelerator (TEMED Alternative)

- Alternative to TEMED for acrylamide/bis-acrylamide gel polymerization with APS or a suitable initiator.
- Low-volatility, odorless formulation.
- Typical addition: 1-2% (v/v); optimize for the gel formulation and desired setting time.



Applications

Polyacrylamide gel preparation for protein or nucleic acid electrophoresis.

Ordering options

CATALOG NO.	PACK SIZE
PAGA10	10 mL
PAGA25	25 mL

Storage

Store at 2-8°C in a tightly closed container. Shelf life: 1 year.

Shipping

Ship at ambient temperature.

Product details & documents

[ecotechbiotech.com/ PAGA10 / PAGA25](https://ecotechbiotech.com/PAGA10/PAGA25)



ChemiPURE

Ponceau S, Sodium Salt

CAS No.	6226-79-5
Molecular weight (MW)	760.57 g/mol
Molecular formula	$C_{22}H_{12}N_4Na_4O_{13}S_4$
Appearance	Dark red to brown powder



Product overview

- A high-quality laboratory dye designed for research, molecular biology, biochemistry, proteomics, and analytical laboratory applications.
- It is widely used as a rapid, reversible protein stain for the visualization of proteins transferred onto nitrocellulose and PVDF membranes following Western blotting.

Ordering options

CATALOG NO.	PACK SIZE
POS05	5 g
POS10	10 g
POS25	25 g

Storage

Store at room temperature (15-25°C) in a tightly closed container.

Shipping

Ship at ambient temperature.

Product details & documents

[ecotechbiotech.com/ POS05 / POS10 / POS25](https://ecotechbiotech.com/POS05/POS10/POS25)



ChemiPURE

Potassium Chloride, $\geq 99.5\%$

CAS No.	7447-40-7
Purity	$\geq 99.5\%$
Molecular weight (MW)	74.55 g/mol
Molecular formula	KCl
Appearance	White crystalline powder



Product overview

- ChemiPURE Potassium Chloride (KCl) is a high-purity laboratory reagent ($\geq 99.5\%$) intended for research, analytical, biochemical, and industrial laboratory applications.
- Potassium chloride is one of the most widely used inorganic salts in molecular biology, biochemistry, cell biology, microbiology, and analytical chemistry laboratories due to its essential role in maintaining ionic strength and physiological potassium ion concentrations.

Ordering options

CATALOG NO.	PACK SIZE
PCH05	500 g
PCH10	1 kg

Storage

Store at room temperature (15-25°C) in a tightly closed container.

Shipping

Ship at ambient temperature.

Product details & documents

ecotechbiotech.com/PCH05/PCH10



ChemiPURE

Potassium Dihydrogen Phosphate, $\geq 99\%$

CAS No.	7778-77-0
Purity	$\geq 99\%$
Molecular weight (MW)	136.09 g/mol
Molecular formula	KH_2PO_4
Appearance	White crystalline powder



Product overview

- ChemiPURE Potassium Dihydrogen Phosphate (KH_2PO_4) is a high-purity laboratory reagent ($\geq 99\%$) intended for research, analytical, biochemical, molecular biology, microbiology, and pharmaceutical laboratory applications.
- As a widely used monobasic phosphate salt, it serves as an essential component in phosphate buffer systems, providing reliable pH control and ionic strength for a broad range of laboratory procedures.

Ordering options

CATALOG NO.	PACK SIZE
PDP05	500 g
PDP10	1 kg

Storage

Store at room temperature (15-25°C) in a tightly closed container.

Shipping

Ship at ambient temperature.

Product details & documents

ecotechbiotech.com/PDP05/PDP10



ChemiPURE

Sodium Bicarbonate, >99.5%

CAS No.	144-55-8
Molecular weight (MW)	84.01 g/mol
Molecular formula	NaHCO ₃
Grade	Molecular Biology Grade
Purity	>99.5%
Appearance	White powder
Solubility	Soluble in water (100 mg/mL)



Product overview

- Mild base used for pH regulation and neutralization of acidic spills.

Ordering options

CATALOG NO.	PACK SIZE
SBC10	1 kg

Storage

Store at room temperature (15-25°C) in a tightly closed container.

Shipping

Ship at ambient temperature.

Product details & documents

ecotechbiotech.com/SBC10



ChemiPURE

Sodium Chloride, $\geq 99\%$

CAS No.	7647-14-5
Purity	$\geq 99\%$
Molecular weight (MW)	58.44 g/mol
Molecular formula	NaCl
Appearance	White crystalline powder



Product overview

- ChemiPURE Sodium Chloride (NaCl) is a high-purity laboratory reagent ($\geq 99\%$) suitable for a wide range of research, analytical, and industrial laboratory applications.
- Sodium chloride is one of the most commonly used inorganic salts in life science, chemistry, biochemistry, molecular biology, and pharmaceutical laboratories.

Ordering options

CATALOG NO.	PACK SIZE
NAC05	500 g
NAC10	1 kg

Storage

Store at room temperature (15-25°C) in a tightly closed container.

Shipping

Ship at ambient temperature.

Product details & documents

ecotechbiotech.com/NAC05/NAC10



ChemiPURE

Sodium Dihydrogen Phosphate Dihydrate, $\geq 98\%$

CAS No.	13472-35-0
Purity	$\geq 98\%$
Molecular weight (MW)	156.01 g/mol
Molecular formula	$\text{NaH}_2\text{PO}_4 \cdot 2\text{H}_2\text{O}$
Appearance	White crystalline powder



Product overview

- ChemiPURE Sodium Dihydrogen Phosphate Dihydrate ($\text{NaH}_2\text{PO}_4 \cdot 2\text{H}_2\text{O}$) is a high-purity laboratory reagent ($\geq 98\%$) designed for research, analytical, biochemical, molecular biology, microbiology, and pharmaceutical laboratory applications.
- As a monobasic phosphate salt, it is an essential component of phosphate buffer systems, providing effective pH control and stable ionic conditions in a wide variety of laboratory procedures.

Ordering options

CATALOG NO.	PACK SIZE
SDP205	500 g
SDP210	1 kg

Storage

Store at room temperature (15-25°C) in a tightly closed container.

Shipping

Ship at ambient temperature.

Product details & documents

ecotechbiotech.com/SDP205/SDP210



ChemiPURE

Sodium Dodecyl Sulfate, ≥99.5%

CAS No.	151-21-3
Molecular weight (MW)	288.38 g/mol
Molecular formula	C ₁₂ H ₂₅ O ₄ S•Na
Purity	≥99.5%
Appearance	White
Solubility	Soluble 1 g in 10 mL (opalescent solution)



Product overview

- ChemiPURE Sodium dodecyl sulfate (SDS), also known as sodium lauryl sulfate, is a versatile anionic surfactant with a broad range of applications in cell biology, biochemistry, and various industries.
- Its amphiphilic nature, characterized by a hydrophobic hydrocarbon tail and a hydrophilic sulfate head group, makes it an effective detergent capable of solubilizing and denaturing proteins, lipids, and other hydrophobic molecules.

Ordering options

CATALOG NO.	PACK SIZE
SDS01	100 g
SDS05	500 g

Storage

Store at room temperature (15-25°C) in a tightly closed container.

Shipping

Ship at ambient temperature.

Product details & documents

[ecotechbiotech.com/ SDS01 / SDS05](https://ecotechbiotech.com/SDS01/SDS05)



ChemiPURE

Sodium Hydroxide, $\geq 99\%$

CAS No.	1310-73-2
Purity	$\geq 99\%$
Molecular weight (MW)	40 g/mol
Molecular formula	NaOH
Appearance	White prills



Product overview

- ChemiPURE Sodium Hydroxide (NaOH) is a high-purity laboratory reagent ($\geq 99\%$) intended for research, analytical, biochemical, molecular biology, microbiology, and pharmaceutical laboratory applications.
- As a strong inorganic base, it is widely used for pH adjustment, buffer preparation, reagent formulation, sample processing, and a variety of chemical and biological laboratory procedures.

Ordering options

CATALOG NO.	PACK SIZE
SOH05	500 g
SOH10	1 kg

Storage

Store at room temperature (15-25°C) in a tightly closed container.

Shipping

Ship at ambient temperature.

Product details & documents

ecotechbiotech.com/SOH05/SOH10



ChemiPURE

Tris Base, Molecular Biology Grade

CAS No.	77-86-1
Molecular weight (MW)	121.14 g/mol
Molecular formula	C ₄ H ₁₁ NO ₃
Purity	≥99.5%
Appearance	White, Crystallized free base.
Solubility	Soluble 670 mg in 1 mL water



Product overview

- Widely used as a component of buffer solutions such as in TAE (TAE Buffer 50x, pH 8.3) and TBE (TBE Buffer 10x, pH 8.3) buffers, especially for nucleic acid electrophoresis.
- It is also a component of buffers for protein electrophoresis, such as TG-SDS buffer.
- Highly purified for use in molecular biology applications.

Ordering options

CATALOG NO.	PACK SIZE
TBS05	500 g
TBS10	1 kg

Storage

Store at room temperature.

Shipping

Ship at ambient temperature.

Product details & documents

[ecotechbiotech.com/TBS05 / TBS10](https://ecotechbiotech.com/TBS05/TBS10)



ChemiPURE

Triton X-100

CAS No.	9002-93-1
Purity	≥98%
Molecular weight (MW)	647 g/mol
Molecular formula	C ₃₄ H ₆₂ O ₁₂
Appearance	Colorless to light yellow liquid
Density	1.07



Product overview

- A non-ionic surfactant widely used for cell lysis, membrane solubilization, and protein extraction in molecular biology and biochemistry applications.
- It effectively disrupts lipid-lipid and lipid-protein interactions while preserving protein structure and function, making it suitable for gentle extraction of membrane-associated proteins.
- Commonly utilized in cell lysis buffers, immunoassays, and protein purification workflows due to its high solubilizing capacity and compatibility with a wide range of biological systems.

Ordering options

CATALOG NO.	PACK SIZE
TX1100	100 mL
TX1500	500 mL

Storage

Store at room temperature (15-25°C). Protect from direct light and contamination. For long-term storage, keeping the product in a cool environment is recommended.

Shipping

Ship at ambient temperature.

Product details & documents

[ecotechbiotech.com/ TX1100 / TX1500](https://ecotechbiotech.com/TX1100/TX1500)



ChemiPURE

Tween-20, Reagent Grade

CAS No.	9005-64-5
Molecular weight (MW)	1228 g/mol
Molecular formula	C58H114O26
Appearance	Colorless to light yellow liquid
Density	1.1 g/cm ³ (25 °C)



Product overview

- ChemiPURE Tween-20 (Polysorbate 20) is a non-ionic surfactant widely used in molecular biology, biochemistry, and immunoassay applications.
- It is commonly employed as a mild detergent in wash buffers to reduce non-specific binding and background signal in techniques such as ELISA, Western blotting, and immunohistochemistry.
- ChemiPURE Tween-20 helps stabilize proteins and enzymes without denaturing them, making it suitable for maintaining biological activity while improving assay reproducibility and signal clarity.

Ordering options

CATALOG NO.	PACK SIZE
T2100	100 mL
T2500	500 mL

Storage

Store at room temperature (15-25°C). Protect from direct light and contamination. For optimal performance, avoid repeated temperature fluctuations.

Shipping

Ship at ambient temperature.

Product details & documents

[ecotechbiotech.com/ T2100 / T2500](https://ecotechbiotech.com/T2100/T2500)



ChemiPURE

Urea, Molecular Biology Grade

CAS No.	57-13-6
Molecular weight (MW)	60.056 g/mol
Molecular formula	H ₂ NCONH ₂
Purity	≥99%
Appearance	White, crystallized free base



Product overview

- Used for the denaturation of proteins and as a mild solubilization agent for insoluble or denatured proteins.
- It is useful for renaturing proteins from samples already denatured with 6 M guanidine chloride such as inclusion bodies.
- May be used with guanidine hydrochloride and dithiothreitol (DTT) in the refolding of denatured proteins into their native or active form.

Ordering options

CATALOG NO.	PACK SIZE
UR05	500 g
UR10	1 kg

Storage

Store at room temperature (15-25°C) in a tightly closed container.

Shipping

Ship at ambient temperature.

Product details & documents

[ecotechbiotech.com/ UR05 / UR10](https://ecotechbiotech.com/UR05/UR10)



07 / COLLECTION

Enzymes



18 product groups

25 catalog variants

Explore the products in this collection

EcoZyme

Deoxyribonuclease I (DNase I)

- A non-specific endonuclease derived from bovine pancreas that cleaves phosphodiester bonds in DNA, preferentially adjacent to pyrimidine nucleotides.
- This enzymatic activity generates polynucleotides with 3'-hydroxyl and 5'-phosphate termini.



Ordering options

CATALOG NO.	PACK SIZE
DI010	10 mg
DI025	25 mg
DI100	100 mg

Storage

Store at 4-8°C.

Shipping

Ship with blue ice.

Product details & documents

ecotechbiotech.com/DI010 / [DI025](http://ecotechbiotech.com/DI025) / [DI100](http://ecotechbiotech.com/DI100)



EcoZyme

Proteinase K

- A pre-made molecular biology grade enzyme solution which is supplied at a concentration of 20 mg/mL in 10 mM Tris-HCl (pH 7.5), 1 mM calcium chloride and 50% glycerol.
- This product from the fungus *Tritirachium album* is a stable and highly reactive nonspecific serine protease that is useful for general digestion of proteins.
- Capable of inactivating RNases and DNases and is used in the isolation or preparation of high-molecular-weight nucleic acids.
- Stable at various temperatures and may be used at 56°C for up to 4 hours, or 37°C for overnight incubations.



Applications

This product is stable at various temperatures and may be used at 56°C for up to 4 hours, or 37°C for overnight incubations.

Ordering options

CATALOG NO.	PACK SIZE
EZPK1	1 mL
EZPK5	5x1 mL

Storage

Store at -20°C.

Shipping

Ship at ambient temperature.

Product details & documents

ecotechbiotech.com/EZPK1/EZPK5



EcoZyme

Proteinase K, powder

- EcoZyme Proteinase K is a stable and highly reactive nonspecific serine protease that is useful for general digestion of proteins.
- EcoZyme Proteinase K is capable of inactivating RNases and DNases and is used in the isolation or preparation of high-molecular-weight nucleic acids.



Applications

EcoZyme Proteinase K is capable of inactivating RNases and DNases and is used in the isolation or preparation of high-molecular-weight nucleic acids.

Ordering options

CATALOG NO.	PACK SIZE
EZPK100	100 mg
EZPK500	500 mg

Storage

Store at -20°C.

Shipping

Ship at ambient temperature.

Product details & documents

ecotechbiotech.com/EZPK100/EZPK500



EcoZyme

RNase A

- A pre-made molecular biology grade enzyme solution which is supplied at a concentration of 10 mg/mL in 10 mM Tris-HCl (pH 8).
- This product from bovine pancreas is a stable and highly reactive, DNase and protease-free, endoribonuclease that specifically degrades single-stranded RNA at C and U residues.
- Pretreated to remove DNase I and is suitable for RNA digestion in plasmid and genomic DNA purification procedures.



Applications

This product is pretreated to remove DNase I and is suitable for RNA digestion in plasmid and genomic DNA purification procedures.

Ordering options

CATALOG NO.	PACK SIZE
EZRA1	1 mL
EZRA5	5x1 mL

Storage

Store at -20°C.

Shipping

Ship at ambient temperature.

Product details & documents

[ecotechbiotech.com/ EZRA1 / EZRA5](https://ecotechbiotech.com/EZRA1/EZRA5)



EcoZyme

RNase A, powder

- EcoZyme RNase A, from bovine pancreas, is a stable and highly reactive, DNase and protease-free, endoribonuclease that specifically degrades single-stranded RNA at C and U residues.
- EcoZyme RNase A is pretreated to remove DNase I and is suitable for RNA digestion in plasmid and genomic DNA purification procedures.



Applications

EcoZyme RNase A is pretreated to remove DNase I and is suitable for RNA digestion in plasmid and genomic DNA purification procedures.

Ordering options

CATALOG NO.	PACK SIZE
EZRA50	50 mg
EZRA100	100 mg
EZRA500	500 mg

Storage

Store at -20°C.

Shipping

Ship at ambient temperature.

Product details & documents

ecotechbiotech.com/EZRA50 / [EZRA100](http://ecotechbiotech.com/EZRA100) / [EZRA500](http://ecotechbiotech.com/EZRA500)



FlashDigest

BamHI

- FlashDigest Fast Endonucleases are a series of genetically engineered restriction enzymes designed for fast and efficient digestion of plasmid DNA, PCR products, and genomic DNA.
- FlashDigest enzymes exhibit high activity in both 10x FlashDigest Buffer and 10x FlashDigest Red Buffer, enabling complete digestion within 5-15 minutes.



Applications

FlashDigest Fast Endonucleases are a series of genetically engineered restriction enzymes designed for fast and efficient digestion of plasmid DNA, PCR products, and genomic DNA.

Sample / input

Plasmid DNA, PCR products and genomic DNA.

Ordering options

CATALOG NO.	PACK SIZE
FD0010	500 rxns

Storage

Store at -20°C.

Shipping

Ship with blue ice.

Product details & documents

ecotechbiotech.com/FD0010



FlashDigest

Bsal

- FlashDigest Fast Endonucleases are a series of genetically engineered restriction enzymes designed for fast and efficient digestion of plasmid DNA, PCR products, and genomic DNA.
- FlashDigest enzymes exhibit high activity in both 10x FlashDigest Buffer and 10x FlashDigest Red Buffer, enabling complete digestion within 5-15 minutes.



Applications

FlashDigest Fast Endonucleases are a series of genetically engineered restriction enzymes designed for fast and efficient digestion of plasmid DNA, PCR products, and genomic DNA.

Sample / input

Plasmid DNA, PCR products and genomic DNA.

Ordering options

CATALOG NO.

PACK SIZE

FD0002

50 rxns

Storage

Store at -20°C.

Shipping

Ship with blue ice.

Product details & documents

[ecotechbiotech.com/ FD0002](http://ecotechbiotech.com/FD0002)



FlashDigest

DpnI

- FlashDigest Fast Endonucleases are a series of genetically engineered restriction enzymes designed for fast and efficient digestion of plasmid DNA, PCR products, and genomic DNA.
- FlashDigest enzymes exhibit high activity in both 10x FlashDigest Buffer and 10x FlashDigest Red Buffer, enabling complete digestion within 5-15 minutes.



Applications

FlashDigest Fast Endonucleases are a series of genetically engineered restriction enzymes designed for fast and efficient digestion of plasmid DNA, PCR products, and genomic DNA.

Sample / input

Plasmid DNA, PCR products and genomic DNA.

Ordering options

CATALOG NO.	PACK SIZE
FD0011	50 rxns

Storage

Store at -20°C.

Shipping

Ship with blue ice.

Product details & documents

ecotechbiotech.com/FD0011



FlashDigest

EcoRI

- FlashDigest Fast Endonucleases are a series of genetically engineered restriction enzymes designed for fast and efficient digestion of plasmid DNA, PCR products, and genomic DNA.
- FlashDigest enzymes exhibit high activity in both 10x FlashDigest Buffer and 10x FlashDigest Red Buffer, enabling complete digestion within 5-15 minutes.



Applications

FlashDigest Fast Endonucleases are a series of genetically engineered restriction enzymes designed for fast and efficient digestion of plasmid DNA, PCR products, and genomic DNA.

Sample / input

Plasmid DNA, PCR products and genomic DNA.

Ordering options

CATALOG NO.

PACK SIZE

FD0001

600 rxns

Storage

Store at -20°C.

Shipping

Ship with blue ice.

Product details & documents

[ecotechbiotech.com/ FD0001](http://ecotechbiotech.com/FD0001)



FlashDigest

EcoRV

- FlashDigest Fast Endonucleases are a series of genetically engineered restriction enzymes designed for fast and efficient digestion of plasmid DNA, PCR products, and genomic DNA.
- FlashDigest enzymes exhibit high activity in both 10x FlashDigest Buffer and 10x FlashDigest Red Buffer, enabling complete digestion within 5-15 minutes.



Applications

FlashDigest Fast Endonucleases are a series of genetically engineered restriction enzymes designed for fast and efficient digestion of plasmid DNA, PCR products, and genomic DNA.

Sample / input

Plasmid DNA, PCR products and genomic DNA.

Ordering options

CATALOG NO.	PACK SIZE
FD0012	200 rxns

Storage

Store at -20°C.

Shipping

Ship with blue ice.

Product details & documents

[ecotechbiotech.com/ FD0012](http://ecotechbiotech.com/FD0012)



FlashDigest

HindIII

- FlashDigest Fast Endonucleases are a series of genetically engineered restriction enzymes designed for fast and efficient digestion of plasmid DNA, PCR products, and genomic DNA.
- FlashDigest enzymes exhibit high activity in both 10x FlashDigest Buffer and 10x FlashDigest Red Buffer, enabling complete digestion within 5-15 minutes.



Applications

FlashDigest Fast Endonucleases are a series of genetically engineered restriction enzymes designed for fast and efficient digestion of plasmid DNA, PCR products, and genomic DNA.

Sample / input

Plasmid DNA, PCR products and genomic DNA.

Ordering options

CATALOG NO.

PACK SIZE

FD0003

500 rxns

Storage

Store at -20°C.

Shipping

Ship with blue ice.

Product details & documents

[ecotechbiotech.com/ FD0003](http://ecotechbiotech.com/FD0003)



FlashDigest

KpnI

- FlashDigest Fast Endonucleases are a series of genetically engineered restriction enzymes designed for fast and efficient digestion of plasmid DNA, PCR products, and genomic DNA.
- FlashDigest enzymes exhibit high activity in both 10x FlashDigest Buffer and 10x FlashDigest Red Buffer, enabling complete digestion within 5-15 minutes.



Applications

FlashDigest Fast Endonucleases are a series of genetically engineered restriction enzymes designed for fast and efficient digestion of plasmid DNA, PCR products, and genomic DNA.

Sample / input

Plasmid DNA, PCR products and genomic DNA.

Ordering options

CATALOG NO.	PACK SIZE
FD0005	200 rxns

Storage

Store at -20°C.

Shipping

Ship with blue ice.

Product details & documents

[ecotechbiotech.com/ FD0005](http://ecotechbiotech.com/FD0005)



FlashDigest

NcoI

- FlashDigest Fast Endonucleases are a series of genetically engineered restriction enzymes designed for fast and efficient digestion of plasmid DNA, PCR products, and genomic DNA.
- FlashDigest enzymes exhibit high activity in both 10x FlashDigest Buffer and 10x FlashDigest Red Buffer, enabling complete digestion within 5-15 minutes.



Applications

FlashDigest Fast Endonucleases are a series of genetically engineered restriction enzymes designed for fast and efficient digestion of plasmid DNA, PCR products, and genomic DNA.

Sample / input

Plasmid DNA, PCR products and genomic DNA.

Ordering options

CATALOG NO.

PACK SIZE

FD0009

30 rxns

Storage

Store at -20°C.

Shipping

Ship with blue ice.

Product details & documents

[ecotechbiotech.com/ FD0009](http://ecotechbiotech.com/FD0009)



FlashDigest

NheI

- FlashDigest Fast Endonucleases are a series of genetically engineered restriction enzymes designed for fast and efficient digestion of plasmid DNA, PCR products, and genomic DNA.
- FlashDigest enzymes exhibit high activity in both 10x FlashDigest Buffer and 10x FlashDigest Red Buffer, enabling complete digestion within 5-15 minutes.



Applications

FlashDigest Fast Endonucleases are a series of genetically engineered restriction enzymes designed for fast and efficient digestion of plasmid DNA, PCR products, and genomic DNA.

Sample / input

Plasmid DNA, PCR products and genomic DNA.

Ordering options

CATALOG NO.	PACK SIZE
FD0007	30 rxns

Storage

Store at -20°C.

Shipping

Ship with blue ice.

Product details & documents

ecotechbiotech.com/FD0007



FlashDigest

NotI

- FlashDigest Fast Endonucleases are a series of genetically engineered restriction enzymes designed for fast and efficient digestion of plasmid DNA, PCR products, and genomic DNA.
- FlashDigest enzymes exhibit high activity in both 10x FlashDigest Buffer and 10x FlashDigest Red Buffer, enabling complete digestion within 5-15 minutes.



Applications

FlashDigest Fast Endonucleases are a series of genetically engineered restriction enzymes designed for fast and efficient digestion of plasmid DNA, PCR products, and genomic DNA.

Sample / input

Plasmid DNA, PCR products and genomic DNA.

Ordering options

CATALOG NO.

PACK SIZE

FD0013

50 rxns

Storage

Store at -20°C.

Shipping

Ship with blue ice.

Product details & documents

[ecotechbiotech.com/ FD0013](http://ecotechbiotech.com/FD0013)



FlashDigest

SacI

- FlashDigest Fast Endonucleases are a series of genetically engineered restriction enzymes designed for fast and efficient digestion of plasmid DNA, PCR products, and genomic DNA.
- FlashDigest enzymes exhibit high activity in both 10x FlashDigest Buffer and 10x FlashDigest Red Buffer, enabling complete digestion within 5-15 minutes.



Applications

FlashDigest Fast Endonucleases are a series of genetically engineered restriction enzymes designed for fast and efficient digestion of plasmid DNA, PCR products, and genomic DNA.

Sample / input

Plasmid DNA, PCR products and genomic DNA.

Ordering options

CATALOG NO.

PACK SIZE

FD0008

100 rxns

Storage

Store at -20°C.

Shipping

Ship with blue ice.

Product details & documents

[ecotechbiotech.com/ FD0008](http://ecotechbiotech.com/FD0008)



FlashDigest

XbaI

- FlashDigest Fast Endonucleases are a series of genetically engineered restriction enzymes designed for fast and efficient digestion of plasmid DNA, PCR products, and genomic DNA.
- FlashDigest enzymes exhibit high activity in both 10x FlashDigest Buffer and 10x FlashDigest Red Buffer, enabling complete digestion within 5-15 minutes.



Applications

FlashDigest Fast Endonucleases are a series of genetically engineered restriction enzymes designed for fast and efficient digestion of plasmid DNA, PCR products, and genomic DNA.

Sample / input

Plasmid DNA, PCR products and genomic DNA.

Ordering options

CATALOG NO.

PACK SIZE

FD0006

500 rxns

Storage

Store at -20°C.

Shipping

Ship with blue ice.

Product details & documents

[ecotechbiotech.com/ FD0006](http://ecotechbiotech.com/FD0006)



FlashDigest

XhoI

- FlashDigest Fast Endonucleases are a series of genetically engineered restriction enzymes designed for fast and efficient digestion of plasmid DNA, PCR products, and genomic DNA.
- FlashDigest enzymes exhibit high activity in both 10x FlashDigest Buffer and 10x FlashDigest Red Buffer, enabling complete digestion within 5-15 minutes.



Applications

FlashDigest Fast Endonucleases are a series of genetically engineered restriction enzymes designed for fast and efficient digestion of plasmid DNA, PCR products, and genomic DNA.

Sample / input

Plasmid DNA, PCR products and genomic DNA.

Ordering options

CATALOG NO.

PACK SIZE

FD0004

500 rxns

Storage

Store at -20°C.

Shipping

Ship with blue ice.

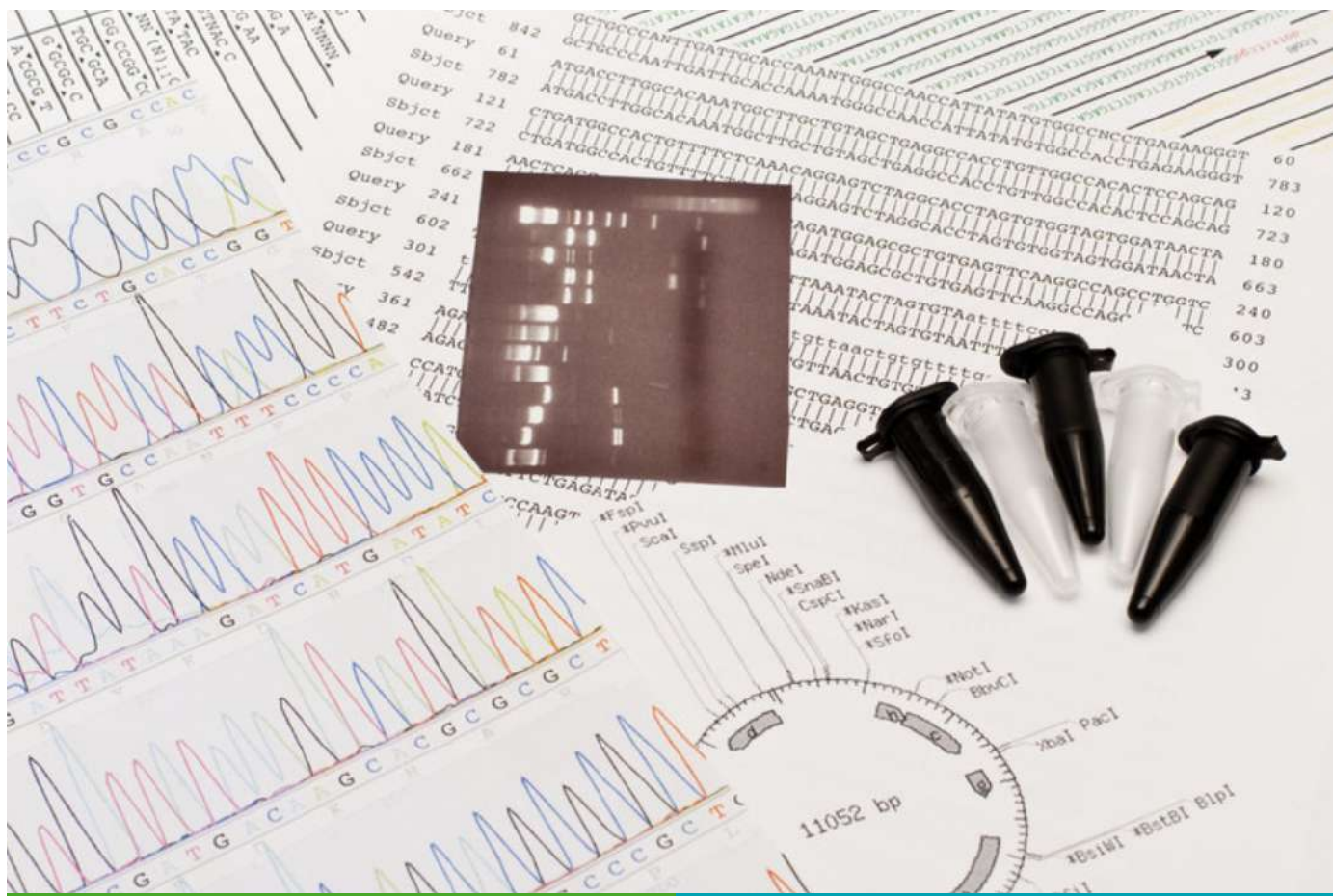
Product details & documents

[ecotechbiotech.com/ FD0004](http://ecotechbiotech.com/FD0004)



08 / COLLECTION

Plasmids



09 product groups

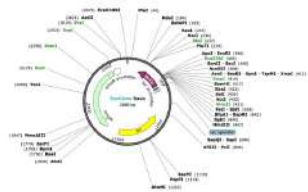
09 catalog variants

Explore the products in this collection

EcoClone

Basic

- A high-copy cloning vector designed for the molecular biology applications described below.
- It is supplied as purified plasmid DNA for research use only.
- Vector size: 2686 bp Promoter: lac promoter/operator Bacterial selection: Ampicillin Mammalian selection: None Reporter / tag: lacZa screening cassette Origin of replication: pUC/ColE1-type high-copy bacterial origin



For further information:
contact@ecotechbiotech.com
info@ecotechbiotech.com

Vector map

Applications & vector details

Routine DNA cloning; Subcloning; Blue/white screening; Sequencing template preparation. Multiple Cloning Site (MCS): EcoRI - SacI - Acc65I/KpnI - XmaI/SmaI - BamHI - XbaI - SalI - AccI/HincII - PstI - SphI - HindIII Important Note: For Research Use Only. Not for use in diagnostic procedures. The MCS lies within the lacZa region, enabling insertional inactivation-based blue/white screening in compatible host strains.

Ordering options

CATALOG NO.	PACK SIZE
PL0001	100 µL (50 ng/µL; 5 µg total DNA)

Storage

Store at -20°C.

Shipping

Ship at ambient temperature.

Product details & documents

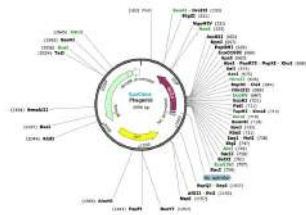
[ecotechbiotech.com/ PL0001](https://ecotechbiotech.com/PL0001)



EcoClone

Phagemid

- A cloning and sequencing phagemid vector designed for the molecular biology applications described below.
- It is supplied as purified plasmid DNA for research use only.
- Vector size: 2958 bp Promoter: lac promoter/operator; T7 and T3 promoters flank the cloning region Bacterial selection: Ampicillin Mammalian selection: None Reporter / tag: lacZα screening cassette Origin of replication: bacterial ori; f1 ori



For Research Use Only
Not for use in diagnostic procedures
The supplied map shows T7 and T3 promoters, M13 forward/reverse primer regions, lacZα, f1 ori and AmpR.

Vector map

Applications & vector details

Routine cloning and subcloning; Blue/white screening; Sanger sequencing template preparation; In vitro transcription from T7/T3 promoters. Multiple Cloning Site (MCS): Acc65I/KpnI - Apal - XhoI - SalI/AccI/HincII - ClaI - HindIII - EcoRV - EcoRI - PstI - XmaI/SmaI - BamHI - SpeI - XbaI - NotI - SacII - BstXI - SacI Important Note: For Research Use Only. Not for use in diagnostic procedures. The supplied map shows T7 and T3 promoters, M13 forward/reverse primer regions, lacZα, f1 ori and AmpR.

Ordering options

CATALOG NO.	PACK SIZE
PL0007	100 µL (50 ng/µL; 5 µg total DNA)

Storage

Store at -20°C.

Shipping

Ship at ambient temperature.

Product details & documents

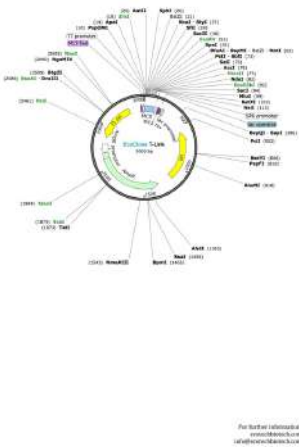
[ecotechbiotech.com/ PL0007](https://ecotechbiotech.com/PL0007)



EcoClone

T-Link

- A compact, high-copy bacterial cloning and sequencing vector with kanamycin resistance.
- The 3,143 bp circular plasmid contains T7 and SP6 promoter regions flanking the cloning region, M13 forward and reverse sequencing primer sites, a lac promoter/operator region, a high-copy bacterial origin of replication, and an f1 origin.
- It is supplied as purified plasmid DNA for research use only.
- Vector size: 3143 bp; circular Promoter / regulatory elements: T7 promoter; SP6 promoter; lac promoter/operator Bacterial selection: Kanamycin [aph(3')-II / nptII] Mammalian selection: None Sequencing sites: M13 forward and reverse primer sites Origin of replication: High-copy ColE1/pMB1/pBR322/pUC-type ori; f1 ori



Vector map

Applications & vector details

Routine DNA cloning and subcloning; Sequencing-template preparation using M13/T7/SP6 regions; In vitro transcription from T7 or SP6 promoters; Preparation of a TA-cloning backbone following appropriate linearization and 3'-T tailing; Plasmid propagation in compatible E. coli strains. Multiple Cloning Site (MCS): EcoRI - BamHI - ClaI - BamHI - HindIII Important Note: For Research Use Only. Not for use in diagnostic procedures. The supplied material is circular plasmid DNA. For direct TA cloning of PCR products, the vector must first be linearized and prepared with compatible 3'-T overhangs. Restriction-site availability, insert orientation, and selection conditions should be verified for the intended cloning workflow.

Ordering options

CATALOG NO.	PACK SIZE
PL0009	100 µL (50 ng/µL; 5 µg total DNA)

Storage

Store at -20°C.

Shipping

Ship at ambient temperature.

Product details & documents

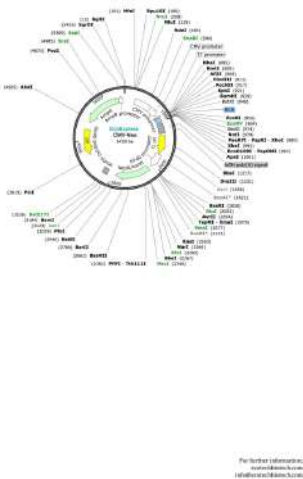
[ecotechbiotech.com/ PL0009](https://ecotechbiotech.com/PL0009)



EcoExpress

CMV-Neo

- A mammalian expression vector designed for the molecular biology applications described below.
- It is supplied as purified plasmid DNA for research use only.
- Vector size: 5428 bp Promoter: CMV immediate-early promoter/enhancer Bacterial selection: Ampicillin Mammalian selection: Neomycin/G418 Reporter / tag: None Origin of replication: bacterial ori; SV40 ori



Vector map

Applications & vector details

Mammalian gene overexpression; Transient transfection; Generation of stable G418-selected cell lines; Protein function and signaling studies. Multiple Cloning Site (MCS): NheI - AflIII - HindIII - Acc65I/KpnI - BamHI - BstXI - EcoRI - EcoRV - BstXI - NotI - XhoI - XbaI - ApaI Important Note: For Research Use Only. Not for use in diagnostic procedures. Insert orientation, reading frame and stop-codon design should be confirmed for the intended expression construct.

Ordering options

CATALOG NO.	PACK SIZE
PL0002	100 µL (50 ng/µL; 5 µg total DNA)

Storage

Store at -20°C.

Shipping

Ship at ambient temperature.

Product details & documents

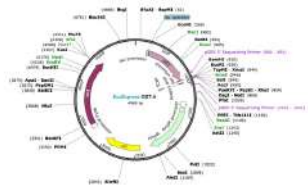
[ecotechbiotech.com/ PL0002](https://ecotechbiotech.com/PL0002)



EcoExpress

GST-A

- A GST fusion bacterial expression vector with ampicillin resistance designed for the molecular biology applications described below.
- It is supplied as purified plasmid DNA for research use only.
- Vector size: 4969 bp Promoter: tac promoter
Bacterial selection: Ampicillin Mammalian selection: None Reporter / tag: GST fusion tag; thrombin cleavage site Origin of replication: bacterial origin of replication



Vector map

Applications & vector details

GST fusion protein expression; Glutathione affinity purification; GST pull-down assays; Protein-protein interaction studies. Multiple Cloning Site (MCS): BamHI - EcoRI - XmaI/SmaI - SalI/AccI - XhoI - NotI
Important Note: For Research Use Only. Not for use in diagnostic procedures. The insert must be cloned in-frame with GST for fusion expression. pGEX 5' and 3' sequencing primer regions are present on the supplied map.

Ordering options

CATALOG NO.	PACK SIZE
PL0005	100 µL (50 ng/µL; 5 µg total DNA)

Storage

Store at -20°C.

Shipping

Ship at ambient temperature.

Product details & documents

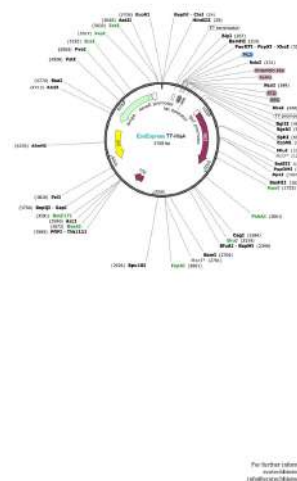
[ecotechbiotech.com/ PL0005](https://ecotechbiotech.com/PL0005)



EcoExpress

T7-HisA

- An N-terminal His-tag bacterial expression vector with ampicillin resistance designed for the molecular biology applications described below.
- It is supplied as purified plasmid DNA for research use only.
- Vector size: 5708 bp Promoter: T7 promoter / lac operator Bacterial selection: Ampicillin Mammalian selection: None Reporter / tag: N-terminal 6xHis; thrombin cleavage site Origin of replication: bacterial origin of replication



Vector map

Applications & vector details

Recombinant protein expression; His-tag affinity purification; Enzyme production; Protein characterization. Multiple Cloning Site (MCS): NcoI - NdeI - XhoI - BamHI - HindIII Important Note: For Research Use Only. Not for use in diagnostic procedures. The supplied map shows the 6xHis region, thrombin site, T7 promoter/lac operator and T7 terminator. Insert reading frame and cleavage strategy should be confirmed before cloning.

Ordering options

CATALOG NO.	PACK SIZE
PL0006	100 µL (50 ng/µL; 5 µg total DNA)

Storage

Store at -20°C.

Shipping

Ship at ambient temperature.

Product details & documents

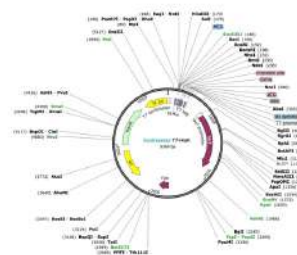
[ecotechbiotech.com/ PL0006](https://ecotechbiotech.com/PL0006)



EcoExpress

T7-HisK

- A T7 His-tag bacterial expression vector with kanamycin resistance designed for the molecular biology applications described below.
- It is supplied as purified plasmid DNA for research use only.
- Vector size: 5369 bp Promoter: T7 promoter / lac operator Bacterial selection: Kanamycin Mammalian selection: None Reporter / tag: 6xHis; thrombin cleavage site Origin of replication: bacterial ori



For further information:
contact@ecotechbiotech.com
info@ecotechbiotech.com

Vector map

Applications & vector details

Recombinant protein expression; Ni-NTA/IMAC purification; Enzyme production; Protein biochemical and functional studies. Multiple Cloning Site (MCS): XhoI - NotI - HindIII - SalI - SacI - EcoRI - BamHI - NheI - NdeI Important Note: For Research Use Only. Not for use in diagnostic procedures. Use a compatible host supplying T7 RNA polymerase. The final His-tag arrangement depends on cloning sites, reading frame and presence or absence of an insert stop codon.

Ordering options

CATALOG NO.

PACK SIZE

PL0004

100 µL (50 ng/µL; 5 µg total DNA)

Storage

Store at -20°C.

Shipping

Ship at ambient temperature.

Product details & documents

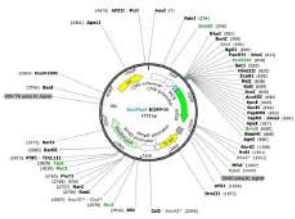
[ecotechbiotech.com/ PL0004](https://ecotechbiotech.com/PL0004)



EcoFluor

EGFP-N

- A C-terminal EGFP fusion vector designed for the molecular biology applications described below.
- It is supplied as purified plasmid DNA for research use only.
- Vector size: 4733 bp Promoter: CMV promoter/enhancer Bacterial selection: Kanamycin Mammalian selection: Neomycin/G418 Reporter / tag: EGFP Origin of replication: bacterial ori; SV40 ori



For further information:
contact@ecotechbiotech.com
info@ecotechbiotech.com

Vector map

Applications & vector details

Live-cell fluorescence imaging; Subcellular localization; Protein trafficking and dynamics; Fusion-protein expression studies. Multiple Cloning Site (MCS): BglIII - XhoI - SacI - HindIII - EcoRI - PstI - SalI/AccI - Acc65I/KpnI - SacII - XmaI/ApaI/SmaI - BamHI - AgeI Important Note: For Research Use Only. Not for use in diagnostic procedures. The MCS is upstream of EGFP. For a continuous protein-EGFP fusion, the insert should normally be cloned without its native stop codon and in the correct reading frame.

Ordering options

CATALOG NO.	PACK SIZE
PL0003	100 µL (50 ng/µL; 5 µg total DNA)

Storage

Store at -20°C.

Shipping

Ship at ambient temperature.

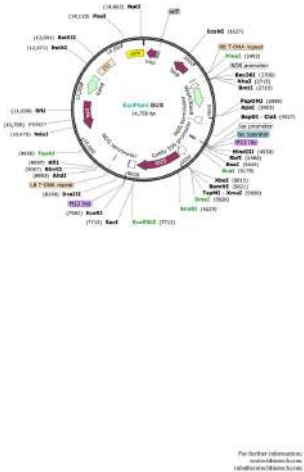
Product details & documents

[ecotechbiotech.com/ PL0003](https://ecotechbiotech.com/PL0003)



EcoPlant GUS

- A GUS plant binary expression vector designed for the molecular biology applications described below.
- It is supplied as purified plasmid DNA for research use only.
- Vector size: 14758 bp Promoter: CaMV 35S promoter; NOS promoter Bacterial selection: Kanamycin resistance; tetracycline resistance shown on map Mammalian selection: Not applicable Reporter / tag: GUS (β-glucuronidase) reporter; NeoR/KanR plant selection cassette Origin of replication: oriV; bacterial replication/transfer elements



Vector map

Applications & vector details

Agrobacterium-mediated plant transformation; Plant gene expression studies; GUS reporter assays; Plant promoter / transgene studies. Multiple Cloning Site (MCS): HindIII - SbfI - XbaI - BamHI - XmaI/SmaI (cloning-region sites shown near the CaMV 35S/GUS cassette) Important Note: For Research Use Only. Not for use in diagnostic procedures. The supplied map shows RB/LB T-DNA repeats, CaMV 35S-driven GUS, NOS regulatory elements and a NeoR/KanR selection cassette within the T-DNA region. Vector behavior and selection conditions should be validated for the intended plant/Agrobacterium system.

Ordering options

CATALOG NO.	PACK SIZE
PL0008	100 µL (50 ng/µL; 5 µg total DNA)

Storage

Store at -20°C.

Shipping

Ship at ambient temperature.

Product details & documents

[ecotechbiotech.com/ PL0008](https://ecotechbiotech.com/PL0008)



09 / COLLECTION

Buffers



01 product group

02 catalog variants

Explore the products in this collection

ClearBand

1x TE Buffer, pH 8

- A pre-mixed and pH-adjusted ready-to-use sterile-filtered solution.
- This product can be used in molecular biology or general biochemistry applications.



Applications

This product can be used in molecular biology or general biochemistry applications.

Ordering options

CATALOG NO.	PACK SIZE
TEB100	100 mL
TEB500	500 mL

Storage

Store between 15°C and 25°C.

Shipping

Ship at ambient temperature.

Product details & documents

ecotechbiotech.com/TEB100/TEB500



Find a product

1SQ100	59	BACR01	147	CSSB50	115
1SQP100	58	BR05	84	CVDK-8	118
AA100	116	BSA05	149	DI010	177
AAC05	142	BSA10	149	DI025	177
AAC10	142	BSA25	149	DI100	177
AB002597	88	BSA50	149	DLD-6xB	34
AB191100	78	C1250	97	DLD-6xB5	34
AB1911005	78	C8A100	121	DLD-6xG	35
AB291100	82	CBB05	152	DLD-6xG5	35
AB2911005	82	CBB10	152	DM100	36
AB3751-100	83	CBB25	152	DM1000	37
AB3751-1005	83	CC10	150	DM10003	37
ACH05	143	CC25	150	DM1003	36
ACH10	143	CC50	150	DMEM-HG	123
ACR01	140	CCA100	117	DMSO100	124
ACR05	140	CCA20	117	DMSO1005	124
AGR01	141	CCA50	117	DMSO50	124
APS10	144	CCL205	151	DMSO505	124
APS100	144	CCL210	151	DW003L	40
APS25	144	CNF100	85	DW003L10	40
AS05	145	CS100	119	DW010L	40
AS10	145	CS50	119	DW010L10	40
ASS05	146	CSB100	120	DW05L	40
ASS10	146	CSB50	120	DW05L5	40
ASS25	146	CSS100	122	DW1L	40
BAC05	148	CSS50	122	E1050	15
BAC10	148	CSSB100	115	E1055	18

Find a product

E1060	31	EGS50	64	FBS50	126
E1070	30	ERT100	62	FCB05	87
E1075	11	ERT200	62	FD0001	185
E1080	22	ERT50	62	FD0002	183
E1085	10	ET-1	46	FD0003	187
E2075	13	ET-5	46	FD0004	194
E2090	17	ET2500	47	FD0005	188
E2095	20	ET500	47	FD0006	193
E2096	26	ETFP10	48	FD0007	190
E2416	14	ETFP50	48	FD0008	192
E2525	25	ETHF10	50	FD0009	189
E3095	19	ETHF50	50	FD0010	182
E4075	23	ETHS025	49	FD0011	184
E5003	12	ETHS100	49	FD0012	186
EBP100	45	ETP1	38	FD0013	191
EBP500	45	ETP5	38	G1L	155
ECL200	86	ETRA1	125	G500	155
ECL50	86	ETRA3	125	GEA250	54
EcoBGD-50x	16	EZPK1	178	GEA750	54
EcoGP-50x	21	EZPK100	179	GH01	157
EcoPI-50x	27	EZPK5	178	GH05	157
EcoPP-50x	24	EZPK500	179	GL05	156
EDD05	154	EZRA1	180	GL10	156
EDD10	154	EZRA100	181	GT01	158
EGI100	63	EZRA5	180	GT05	158
EGI50	63	EZRA50	181	HRPM5	89
EGS100	64	EZRA500	181	HRPR5	90

Find a product

IPTG01	159	PAGA10	163	PM11	101
IPTG05	159	PAGA25	163	PM12	100
JMM100	127	PB10x	33	PMM1	52
KS05	160	PBS10x-1000	98	PMM5	52
KS10	160	PBS10x-500	98	POS05	164
KS25	160	PBS10x-5005	98	POS10	164
LCA100	129	PBS1x-500	134	POS25	164
LDC500	130	PBS1x-50010	134	PS05	99
LG100	128	PBST1005	75	PS052	99
LL5ML	94	PBST1010	75	PS100	133
LSB-10x	91	PCG42010	113	PVDF022	102
LSB-2x	92	PCH05	165	PVDF045	103
LSB-4x	93	PCH10	165	Q18100	57
MCA150	55	PDP05	166	Q1850	57
MCA750	55	PDP10	166	qmPP250	56
MCH605	161	PHIC1	73	qPP250	61
MCH610	161	PIC1	74	R100	7
MDK50	131	PIC5	74	RBCLB-10X	6
MDP1050	29	PL0001	196	RBCLB01	4
MEK25	132	PL0002	199	RBCLB05	4
MG05	39	PL0003	203	RBS500	104
MXP1050	28	PL0004	202	RH100	60
NAC05	168	PL0005	200	RH50	60
NAC10	168	PL0006	201	RIPA-100	105
NC022	95	PL0007	197	RIPA10x	76
NC045	96	PL0008	204	RIPA50CS	106
PA100	5	PL0009	198	RO250	65

Find a product

RO2506	65	T7405	68	TBE10005	44
RPMI500	135	T74055	68	TBE500	44
S100	72	T7410	68	TBE5005	44
S100/20	79	T74105	68	TBS05	172
S500	72	T805	69	TBS10	172
S500/20	79	T8055	69	TBST05	77
SBC10	167	T810	69	TBST10	77
SDGS1	41	T8105	69	TBST2005	80
SDGS5	41	T8505	70	TBST2010	80
SDP205	169	T85055	70	TE005	137
SDP210	169	T8510	70	TE025	138
SDS01	170	T85105	70	TEB100	206
SDS05	170	T8805	71	TEB500	206
SECL20	107	T88055	71	TG05	109
SECL50	107	T8810	71	TG10	109
SHP05	153	T88105	71	TGS05	110
SHP10	153	TAE1000	43	TGS055	110
SMM1	53	TAE10005	43	TGS10	110
SMM5	53	TAE1010	42	TMD025	162
SOH05	171	TAE105	42	TMD100	162
SOH10	171	TAE500	43	TR100	9
T2100	174	TAE5005	43	TRLS100	8
T2500	174	TB05	108	TRY-B100	136
T6805	67	TB10	108	TRY-B1005	136
T68055	67	TB2005	81	TX1100	173
T6810	67	TB2010	81	TX1500	173
T68105	67	TBE1000	44	UR05	175

Find a product

UR10	175
WBB001	112
WBB00120	112
WBB010	112
WBB01010	112
WBB100	112
WBB10010	112
WT1	111
WT5	111

About this catalog

Product imagery

Representative packaging. Actual appearance may vary.

Packaging illustrations are provided for product identification. Refer to the catalog number and pack size when selecting a product.

Product details & documents

Catalog numbers link to the corresponding online product variant. QR codes open the featured listing, where available manuals and supporting documents can be found.

Edition

Version 1.4 | 03 October 2026