

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

10 gels

Cat No: PCG42010

Shipping : Ship with blue ice.

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

General Information

ClearPAGE Tris-Glycine PreCast Gel, 4-20% is a ready-to-use and easy-to-use precast acrylamide gel designed for electrophoresis in Tris-Glycine buffer system. **ClearPAGE** Tris-Glycine PreCast Gel, 4-20% offers better resolution, enhanced speed and an extended shelf-life. **ClearPAGE** Tris-Glycine PreCast Gel, 4-20% come in a convenient 10-well format, making it ideal for various electrophoresis applications. These gels are offered in a Mini cassette size (10 x 8.9 cm) and are compatible with most popular protein electrophoresis systems including Bio-Rad®. **ClearPAGE** Tris-Glycine PreCast Gel, 4-20% do not contain SDS, therefore, it is compatible with denaturing and native electrophoresis.

Product Features

Height of 4% stacking gel:	1.5 cm
Gel size:	84×74×1mm
Ratio of acrylamide to methylene bis acrylamide:	29:1
Gel thickness:	1.0 mm
Well format:	10wells
Max sample loading volume:	50 µL
Cassette size:	100×89×4.8mm

Protocol for Denaturing Electrophoresis

1. Mix sample with a **ClearBand** Laemmli sample buffer in an appropriate ratio (Cat No: LSB-2x, LSB-4x, LSB-10x). Heat the diluted samples for 5 min in boiling water.
2. Dilute **ClearBand** 10x Tris/Glycine/SDS Running Buffer to 1x working concentration with deionized water before use.
3. Take the **ClearPAGE** Tris-Glycine PreCast Gel, 4-20% out of the bag and remove the sealing tape at the bottom of gel cassette. Assemble the corresponding electrophoresis tank, add the running buffer, and then gently pull the comb out of the cassette.
4. Rinse the wells several times with 1× running buffer to remove storage buffer before loading samples. Load the appropriate volume of your samples in the appropriate wells. Load your protein ladder in the appropriate well.

***Note:** Do not insert the pipette tip too much into the sample wells to avoid sample leakage caused by deformation of the plastic plates.*

5. Run the gel: The electrophoresis conditions are usually 180 V, 50~60 min.

***Note:** The voltage is set at 180 V constant with an initial current of 75 mA per gel, and a run time of about 60 minutes, and the current will gradually decrease with time. If clearer and flatter protein bands are needed, you can reduce the voltage to 150 V.*

6. After electrophoresis is complete, retrieve the gel from gel cassette: Insert a Gel Opener between the two plates and push down gently on the handle to separate the plates; repeat on each side of the cassette until the plates are completely separated; then remove the top plate and gently peel away the gel from the plate.