

ChemiPURE Poly Acrylamide Gel Accelerator (TEMED Alternative)

10 ml, 25 ml

Cat No: PAGA10, PAGA25

Shipping : Ship at ambient temperature.

Storage : Store at 2–8°C in a tightly closed container. Valid for 1 year.

General Information

ChemiPURE Poly Acrylamide Gel Accelerator (TEMED Alternative) is designed to catalyze acrylamide/bis-acrylamide polymerization in combination with ammonium persulfate (APS) or a suitable initiator for the preparation of polyacrylamide gels used in protein or nucleic acid electrophoresis.

This product can be used as a **no-odor, low-volatility alternative to TEMED**. The recommended addition ratio is generally 1–2% (v/v), depending on acrylamide concentration, gel formulation, temperature, and the desired gel setting time.

Protocol (for reference only)

1. Take the product out from storage and allow it to equilibrate to room temperature before use.
2. Prepare the acrylamide gel premix according to the experimental requirements and mix well. Do not add initiator or accelerator until the gel is ready to cast.
3. Add APS or an equivalent initiator at the appropriate proportion, usually to a final concentration of 0.1%, and mix well.
4. Add Poly Acrylamide Gel Accelerator according to the recommended concentration below, mix gently but thoroughly, and cast the gel immediately.

	Acrylamide Concentration		
	4–6% stacking gel	7–10% separation gel	11–15% separation gel
Recommended Concentration	2% (v/v)	1.5% (v/v)	1% (v/v)
General Gel Setting Time	10–25 min	8–15 min	5–9 min

Notes

1. The above protocol and concentration information are provided as general guidance. Optimization may be required depending on gel composition and experimental conditions.
2. Gel setting time can be affected by acrylamide concentration, APS concentration, temperature, and other formulation parameters. The accelerator amount may be adjusted within $\pm 50\%$ of the recommended proportion according to actual experimental needs.
3. For safe handling, wear a laboratory coat, protective gloves, and appropriate eye protection during use.

This product is sold for laboratory research use only. It is not intended for clinical diagnosis, treatment, food, or medicinal applications.