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DATA SHEET

Version: 1
Revision date: 29/05/2025

1. Identification

Product name — **PriPROT™ Precast Tris-Glycine Gel (12%)**

Cat. No
10 wells version (10 gels): PD0025
15 wells version (10 gels): PD0030

2. Description

PriPROT™ **Precast Tris-Glycine Gel (12%)** features a **uniform 12% polyacrylamide concentration** within a **neutral pH buffer system**, offering **high-resolution separation** and **excellent stability** for protein analysis. **Size:** 1.0 mm thickness, available in **10 or 15 wells.** Designed for **mini gel tanks**, ensuring **compatibility with widely used electrophoresis systems**.

3. Specifications

Gel Concentration: 12%
Thickness: 1.0 mm
Buffer Compatibility: Tris-Glycine buffer for SDS-PAGE applications
Format: Precast and ready-to-use, no heating required
Maximum loading volume: up to 50 µL/well (PD0025) or 30 µL/well (PD0030).

4. Applications

High-resolution protein separation in SDS-PAGE under native and denatured conditions.

5. Usage Instructions

1. **Unpack the gel cassette**, remove the **sealing tape**, and position it inside the **gel tank**.
2. Add **Tris-Glycine electrophoresis buffer**, ensuring **full immersion of the comb**. Carefully **remove the comb** before loading **samples and ladders** into the wells.
3. After **electrophoresis**, extract the **gel sandwich** and use a **small screwdriver** to separate the two **plastic plates**, facilitating **gel transfer**.

6. Includes

Reference Code	Gel Format	Number of Wells	Number of Gels
PD0025	12%, 1.0 mm	10 wells	10 individual packed gels
PD0030	12%, 1.0 mm	15 wells	10 individual packed gels

7. Notes

- **Storage:** Do **not** store below **0°C**, as freezing may cause **gel cracking**.
- **Tank compatibility enhancement:** The connection between the **precast gel and the U-shaped sealing strip** has been optimized for improved usability. If necessary, **remove the raised sealing strip** and **reverse its installation**, ensuring the **smooth side faces outward** to prevent **buffer leakage** during electrophoresis.

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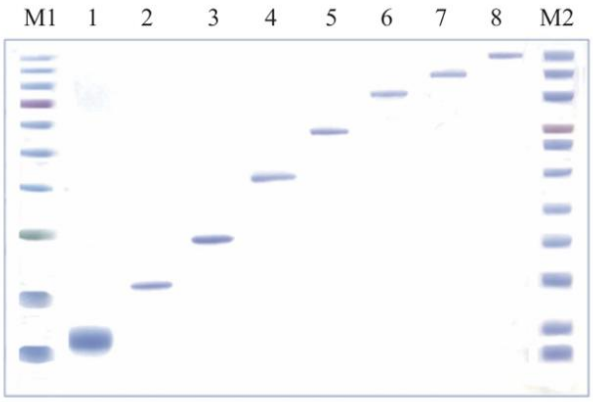
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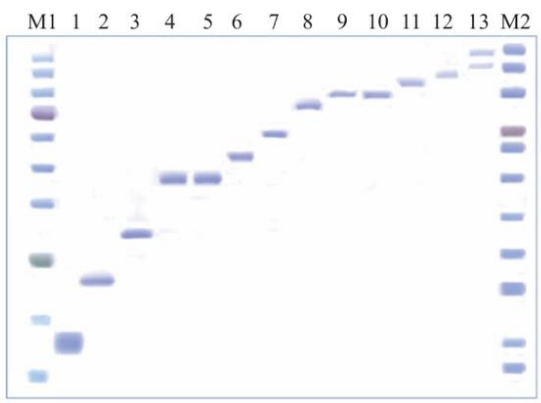
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8. Additional information



Tris-Glycine Gel 10 wells (5 µl/well)



Tris-Glycine Gel 15 wells (5 µl/well)

9. Further information

Product Use Limitation This product is developed, designed and sold exclusively only for research purposes use. The product was not tested for use in diagnostics or for drug development, nor is it suitable for administration to humans or animals.

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