Precast SDS-PAGE Gel 12% 12 Wells

Cat#:8012121

[Product Name]
Precast SDS-PAGE Gel 12% 12 Wells

[Model & Size]

Product Name	Cat No.	Size	Component No.	Component Name	Component Size	Quantity
Precast SDS-PAGE Gel 12% 12 Wells	8012121	10 PCS /Kit	8012121-1	Precast SDS-PAGE Gel 12% 12 Wells	12 Wells /PCS	10 PCS
			8015091-1	Instant MOPS Buffer	1 L/Pack	2 Packs

[Product Description]
Precast SDS-PAGE Gel are polyacryamide gels designed for Proteins Separation. A gel has 12 wells or 15 wells formats. For gel with 12 wells its largest volume is up to 50 μL per well, recommended loading volume of 25 μL or less; while for gel with 15 wells, its largest volume is up to 30 μL per well, recommended loading volume of 15 μL or less.
Precast SDS-PAGE Gel adopts automatic control technique for gel perfusion which enables good repeatability and stability. Its unique formulation makes bands more clear and sharp which increases the evenness of the band and provides superior resolution. Matched with instant MOPS buffer, it can improve Gel stability, while avoiding protein modification in the process of electrophoresis.

[Storage And Transportation]
Store at 2℃~8℃ for 12 months.
Transported on blue ice.

[Operating Instructions]
1. Buffer preparation
Take out a packet of Instant MOPS Buffer (Cat#: 8015091) and dissolve it in 1 L of deionized water (see Figure 1).
The Tris-Glycine buffer is prohibited.

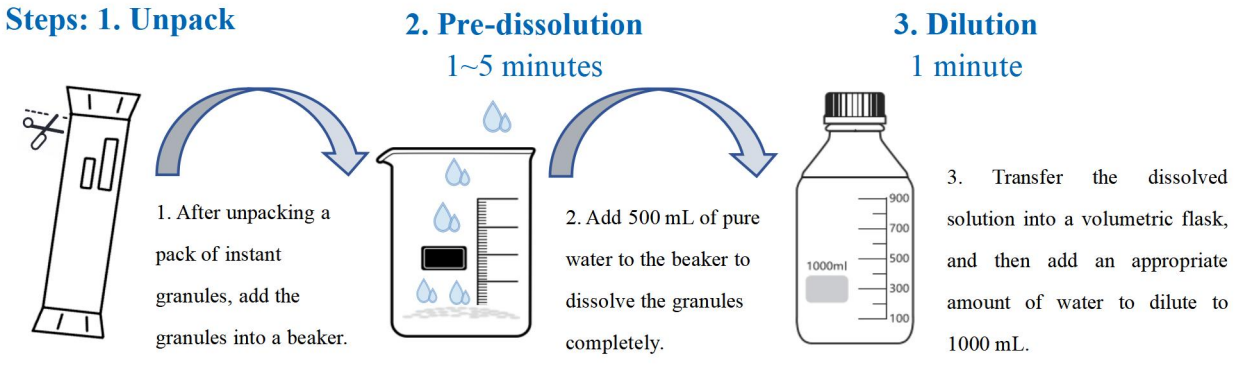

Figure 1: Usage of Instant Buffer

Note: Wash the container sufficiently with pure water before preparation, and clean it in time after preparation.

2. Sample preparation
Prepare electrophoresis samples according to the following table:

Table 1. Sample preparation

Component	Volume(μL)
Protein samples	X
Protein loading buffer 5× (Recommend Protein loading buffer 5×, Cat#: 8015011)	2
Deionized water	8-X
Total Volume	10

3. The use and sampling of Precast SDS-PAGE Gel

Take out the Precast SDS-PAGE Gel from the packaging bag, tear off the tape at the bottom of the adhesive board, and smoothly push out the comb with both hands (see Figure 2); Put the rubber plate into the gel electrophoresis device, fill the inner tank with 1× MOPS Buffer, and add an appropriate amount of electrophoresis buffer into the outer tank; Insert the tip of the loading gun vertically into the loading hole and slowly inject the sample into the adhesive hole (see Figure 3).

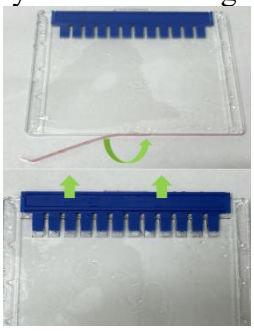

Figure 2: Usage of Precast SDS-PAGE Gel

Figure 3: Sample loading operation

<u>Precautions for using the raised electrophoresis tank of the Bio-Rad, WIX, etc. Remove the green silicone seal of the frame inside the tank, then insert it back into the groove of the inner frame with its flat side facing outward(see Figure 4).</u>

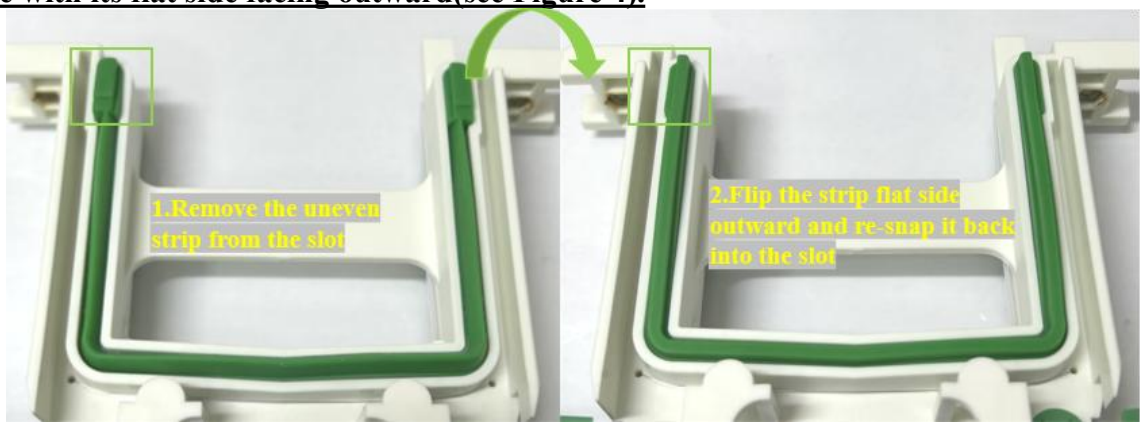

Figure 4: Schematic diagram for replacing the electrophoretic card slot adhesive strip

4. Electrophoresis

Load protein sample and begin the process of electrophoresis. Our recommended voltage is 160 V and the maximum voltage must be no more than 180 V. If you want to achieve the best stripe effect, you can use 140-160V.

5. End of electrophoresis

After electrophoresis, take out the gel according to the following method.

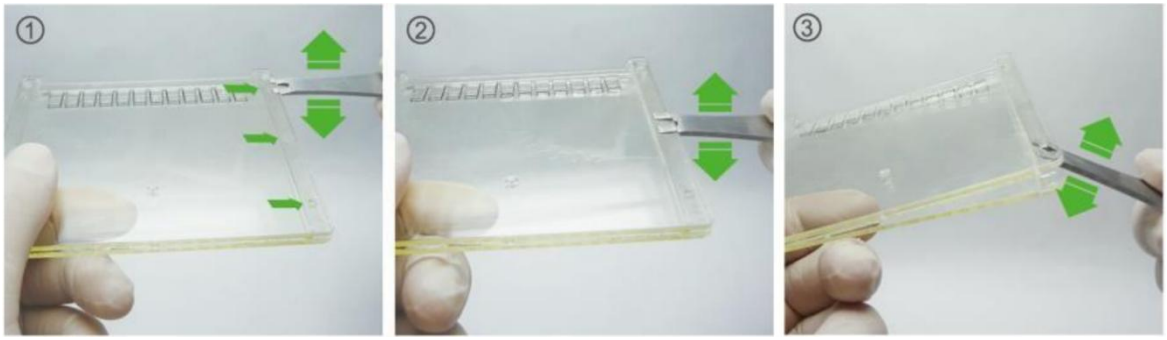

Figure 5: Remove the gel from the plate

[Description Of Product Symbol]

Product Symbol	Description	Product Symbol	Description
REF	Catalog Number	LOT	Batch Code
	Date of Manufacture		Manufacturer
	Keep away from light		Temperature limit
	Consult instructions for use		Use-by date

[Instruction Revision Date]
May 23, 2024

[Company Information]
Manufacturer and after-sales service unit Name: Shenzhen Dakewe Bio-engineering Co., Ltd.
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