

Easy Protein Gel

Cat No. EPG-M-001-10

Size: pack of 10 gels (8 x 10 cm)

Stored at 4°C up to one year

MOLEQULE-ON[®]

Description

MOLEQULE-ON offers pre-cast polyacrylamide gels that are ready to run and designed to give optimal separation of small- to medium-sized proteins. Easy protein gels provide high quality and reliability and eliminate exposure to toxic unpolymerized acrylamide. Use Easy Protein Gels for preparing proteins for SDS-PAGE, native PAGE, peptide separations, nucleic acid separations, western blotting, sequencing, mass spectrometry, and any other techniques where protein integrity is required. A pack of running buffer is included in Easy Protein Gel package (one box of 10 gels).

Specifications

- No. of wells: 10 wells
- Outer gel dimension: 8 cm x 10 cm
- Thickness of gel layer: 1.5 mm
- Maximum loading volume of gel well: 25 μ l
- Gradient: Tris HEPES Gradient (4-20%)

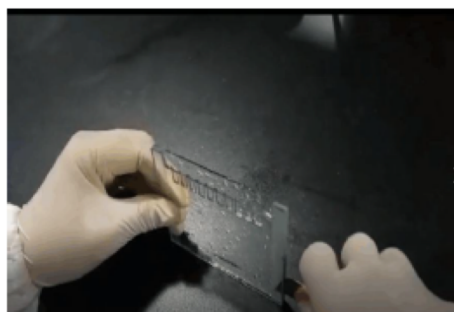
Compatibility

Easy Protein Gel is suitable for the most of mini SDS-PAGE electrophoresis tank, including

- Bio-Rad Mini-PROTEAN (II/3 /Tetra System)
- Hoefer Mighty Small (SE 250/ SE 260/ SE 280)
- Life Technology Novex Mini-Cell (use with special baffle)

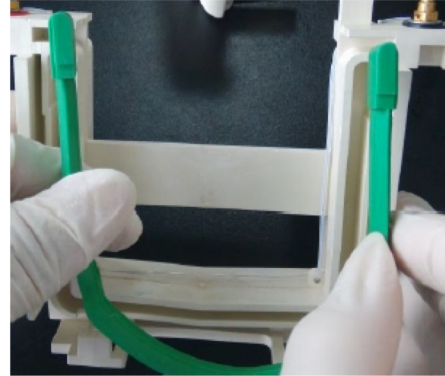
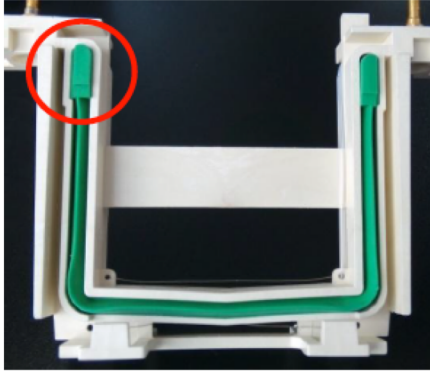
Procedure

1. Prepare the electrophoresis tank and buffer.
2. Put precast-gel in the compatible electrophoresis tank, fill the inner tank with electrophoretic solution, fill the outer tank with 1/3 electrophoretic solution at least, but can not over the level of gel plate, pull out the comb slowly. Use a pipette to absorb the electrophoretic solution and blow the sample hole gently to remove the remaining buffer in the sample hole.
3. Adding sample: Insert the pipette head vertically into the bottom of the sample hole. Do not puncture the gel or it will lead to sample leakage.
4. Electrophoresis conditions: 150 V, 40~50 min
5. Electrophoresis is over, remove the gel. It is easy to open the clip, check the below picture.

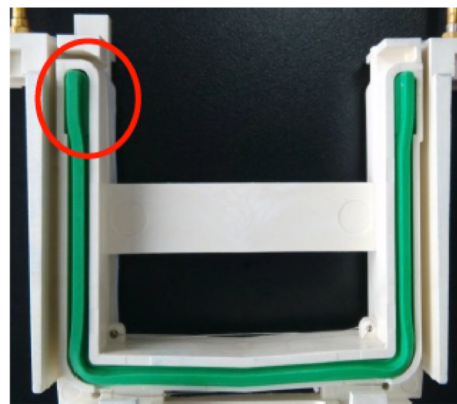
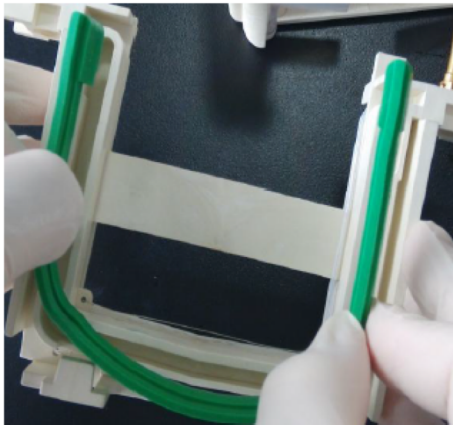


Application in Bio-Rad electrophoresis tank

a. Pull out the U-shaped seal strip in the Bio-Rad electrophoresis tank (the green part in the picture), note that the side with protrusions at both ends is the front, and the side without protrusions is the back.



b. Rotate the seal strip 180 degrees, reinstall into the electrophoresis tank, compacting the periphery of the seal ring to prevent leakage.



c. Put the precast-gel and start to electrophoresis.

Note:

1. Use the electrophoretic buffer in the box, do not use the other replacement. Its provided in powderform, dissolve with dH_2O to 1X.
2. MOLEQULE-ON precast-gel is neutral, which is suitable for acid protein. Its isoelectric point is less than 7, and the electrode direction is the same as that of ordinary SDS denaturing electrophoresis. A low pH gel system is recommended for basic proteins.
3. Make electrophoresis buffer when using. Insufficient purity of reagent, repeated use or long-term placement of buffer will reduce the electrophoresis effect.
4. For your safety and health, please wear lab coat and disposable gloves.