

# User's Guide for

## EZ-Run Precast Gel

### Caution:

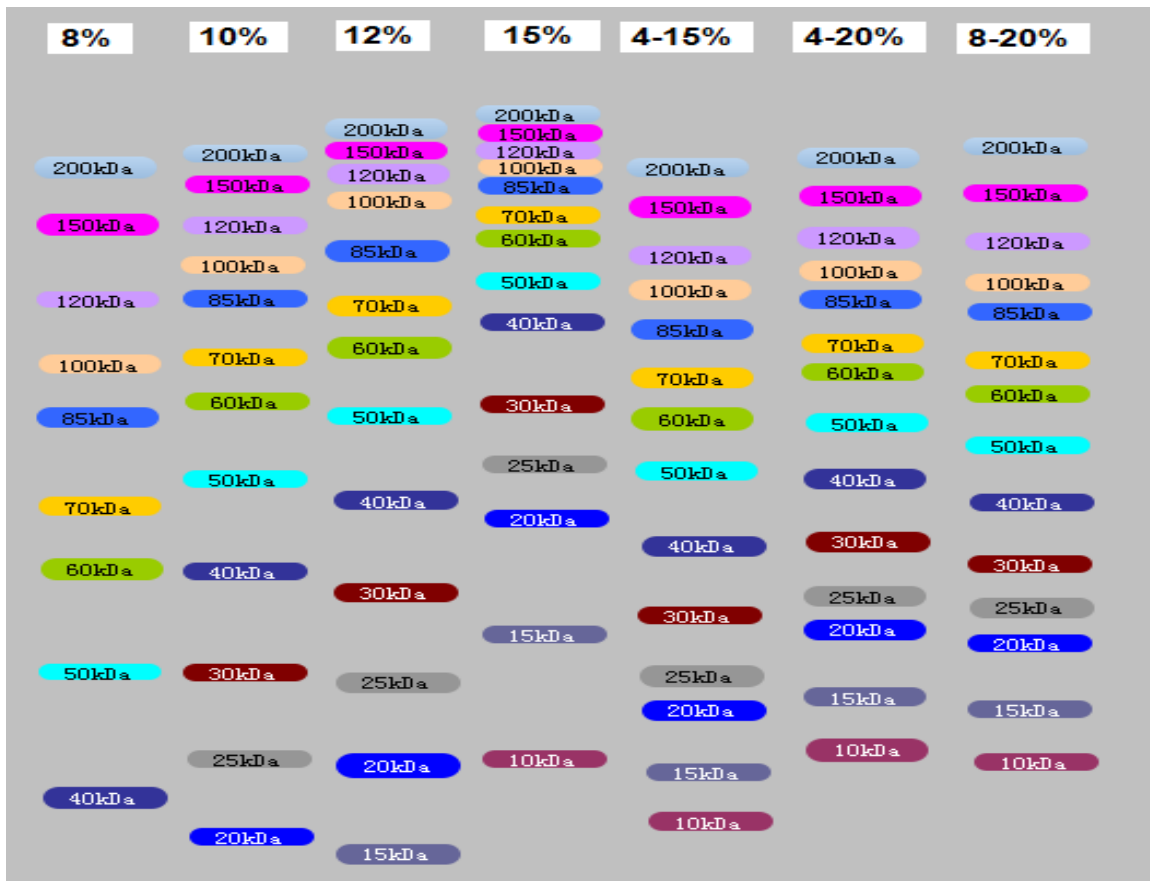
**Be sure to use EZgel running buffer but not other buffers, such as Tris-glycine buffer.**

The information of EZgel running buffer can be found at the end of this manual.

Running a EZ-Run Precast just likes running any other SDS-PAGE gel:

1. Refer to the separation map below to select the appropriate EZ-Run Precast gel concentration to optimize protein band separation.
2. Prepare electrophoresis tank and running buffer
3. Assemble the corresponding electrophoresis tank, add the electrophoresis buffer, and then slowly pull out the comb
4. Electrophoresis conditions: 150V, 40~50 min
5. After electrophoresis is complete, retrieve the gel from gel cassette. The cassette is easy to open. No special tool is needed.

For samples treated by our Instant-Bands Sample Treatment Buffer (Catalog #:PFS001), it is not necessary to retrieve the gel from its cassette. The protein bands can be directly viewed in the gel cassette.



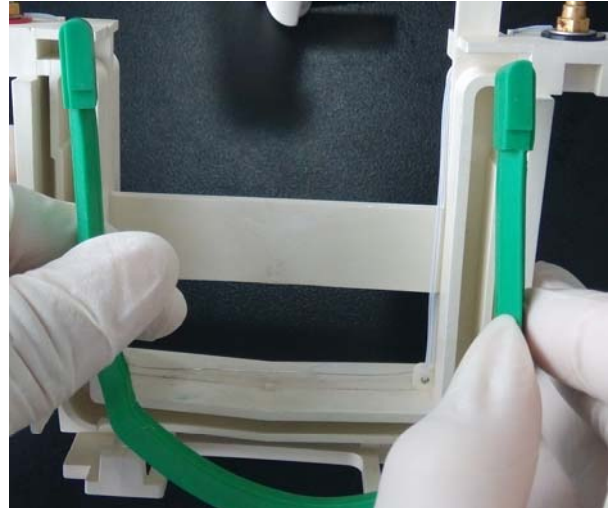
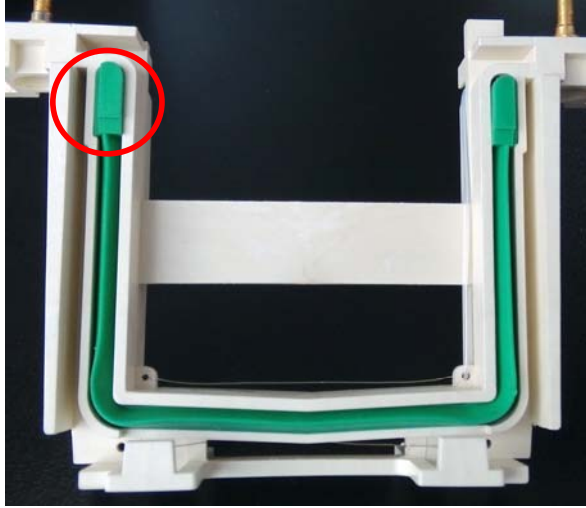
**Compatible electrophoresis tanks:**

EZ-Run precast gel is compatible with most common mini SDS-PAGE tanks, include

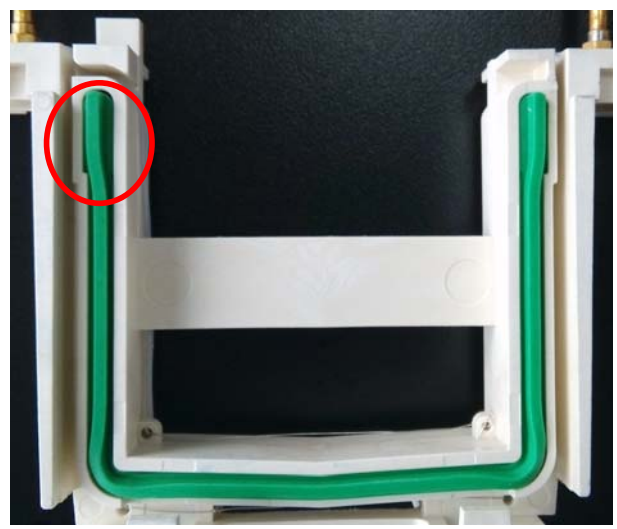
- Bio-Rad Mini-PROTEAN (II/3 /Tetra System, a simple modification is required, see below)
- Hoefer Mighty Small (SE 250/ SE 260/ SE 280)
- Life Technology Novex Mini-Cell (use with EZbiolab's special baffle)

**Precast-EZgel used in Bio-Rad electrophoresis tank**

a. Pull out the U-shaped silicone gasket (green), electrode inner core Silicone



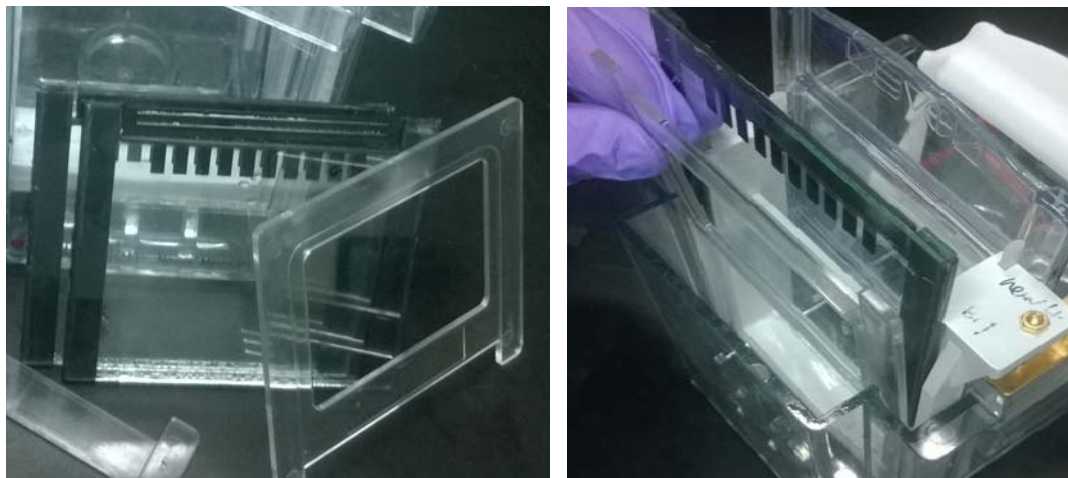
b. Rotate the gasket 180 degree and Installed it back oppositely (outside inwards, inside-out). Press down around with your thumbs using even pressure to ensure to seal well to prevent leakage.



c. Now the system is ready to use

### Precast-EZgel in Life Technology Novex electrophoresis tank

Because our precast-EZgel is slightly thinner than the Invitrogen NuPAGE pre-cast gels, we provide a special baffle so that our precast-EZgel fits to in life Technology Novex electrophoresis tank.



### EZ-Run Precast Gel Running Buffer

50 mM Tris  
50 mM HEPES  
0.1% SDS  
2 mM EDTA  
pH 8.3

Pre-mixed and pre-packed EZgel Running Buffer powder can be purchased from EZBiolab

