EZBiolab

# EZ-gel® TBE PAGE User's Guide

## Protocol for EZ-gel® TBE PAGE

For more information, please visit www.ezbiolab.com

1. Prepare sample: Mix TBE loading buffer (5X) with sample in 1:4 ratio (volume).
2. Prepare running buffer: Add 200 mL 5X TBE Running Buffer to 800 mL deionized water to prepare 1X TBE Running Buffer.
3. Assemble the corresponding electrophoresis tank, add the running buffer, and then slowly pull out the comb
4. Load the appropriate concentration and volume of your DNA sample on the gel.
5. Electrophoresis conditions: 150V, 50~75 min (dependent on gel percentage)
6. After electrophoresis is complete, retrieve the gel from gel cassette. The cassette is easy to open. No special tool is needed.

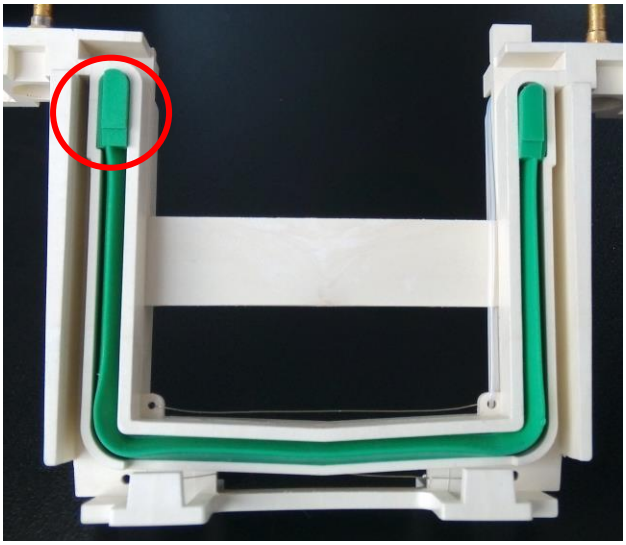
## Compatible electrophoresis tanks:

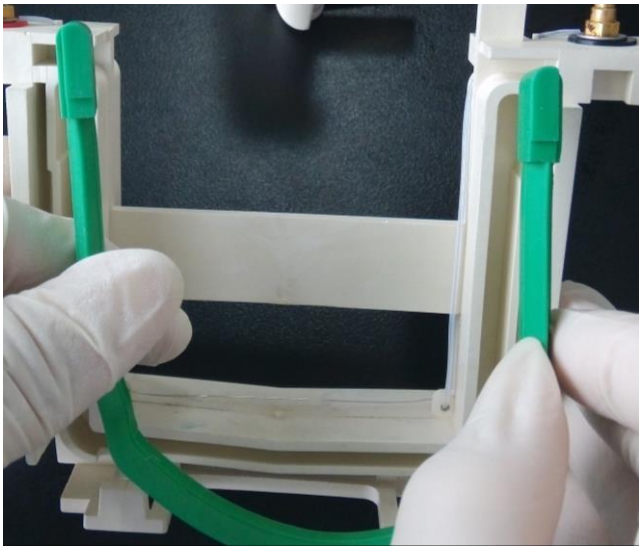
EZ-gel® TBE PAGE is compatible with most common mini SDS-PAGE tanks, including

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

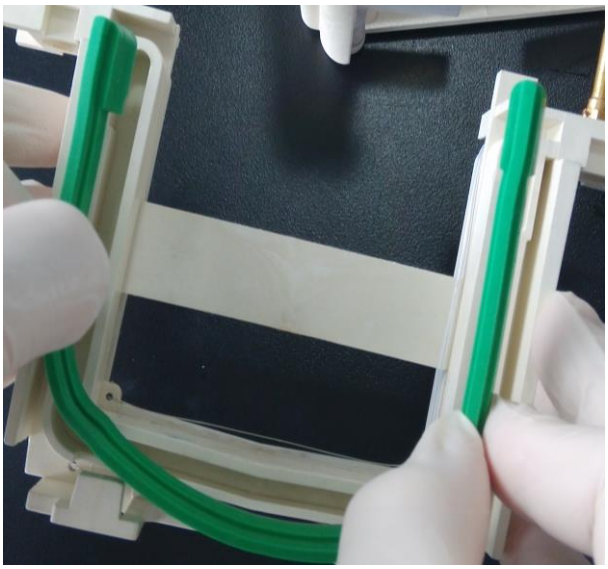
## EZ-gel® TBE PAGE used in Bio-Rad electrophoresis tank

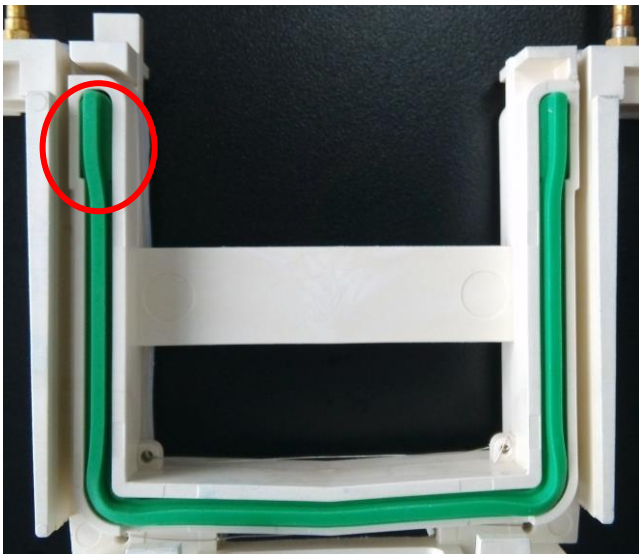
a. Pull out the U-shaped silicone gasket (green), electrode inner core Silicone





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.

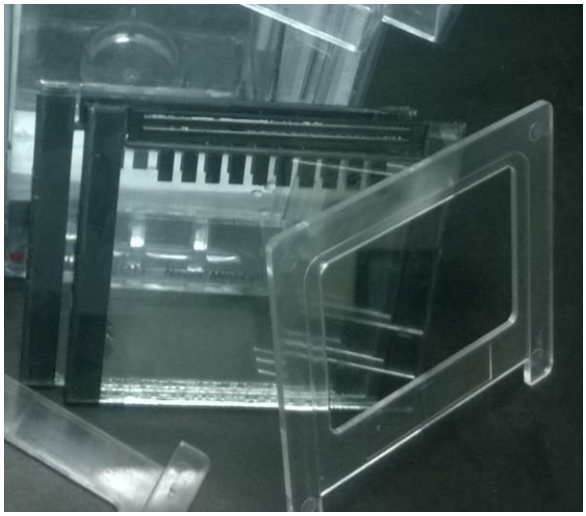


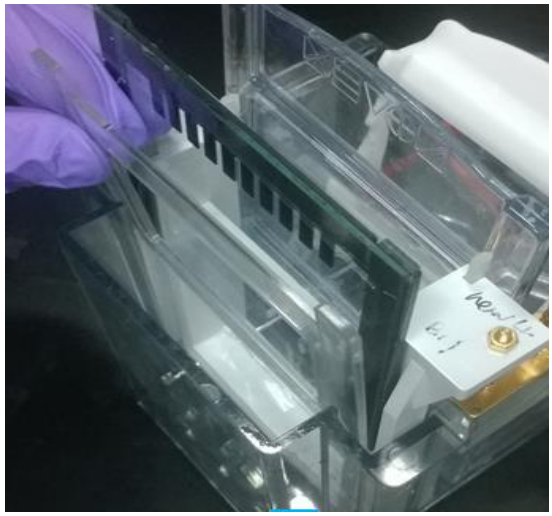


c. Now the system is ready to use

## EZ-gel® TBE PAGE in Life Technology Novex electrophoresis tank

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





EZBiolab

## Running Buffer

### 5×TBE

| | |
|---|---|
| Tris | 54g |
| Boric acid | 27.5g |
| EDTA | 3.7g |

Add deionized water to 1000ml