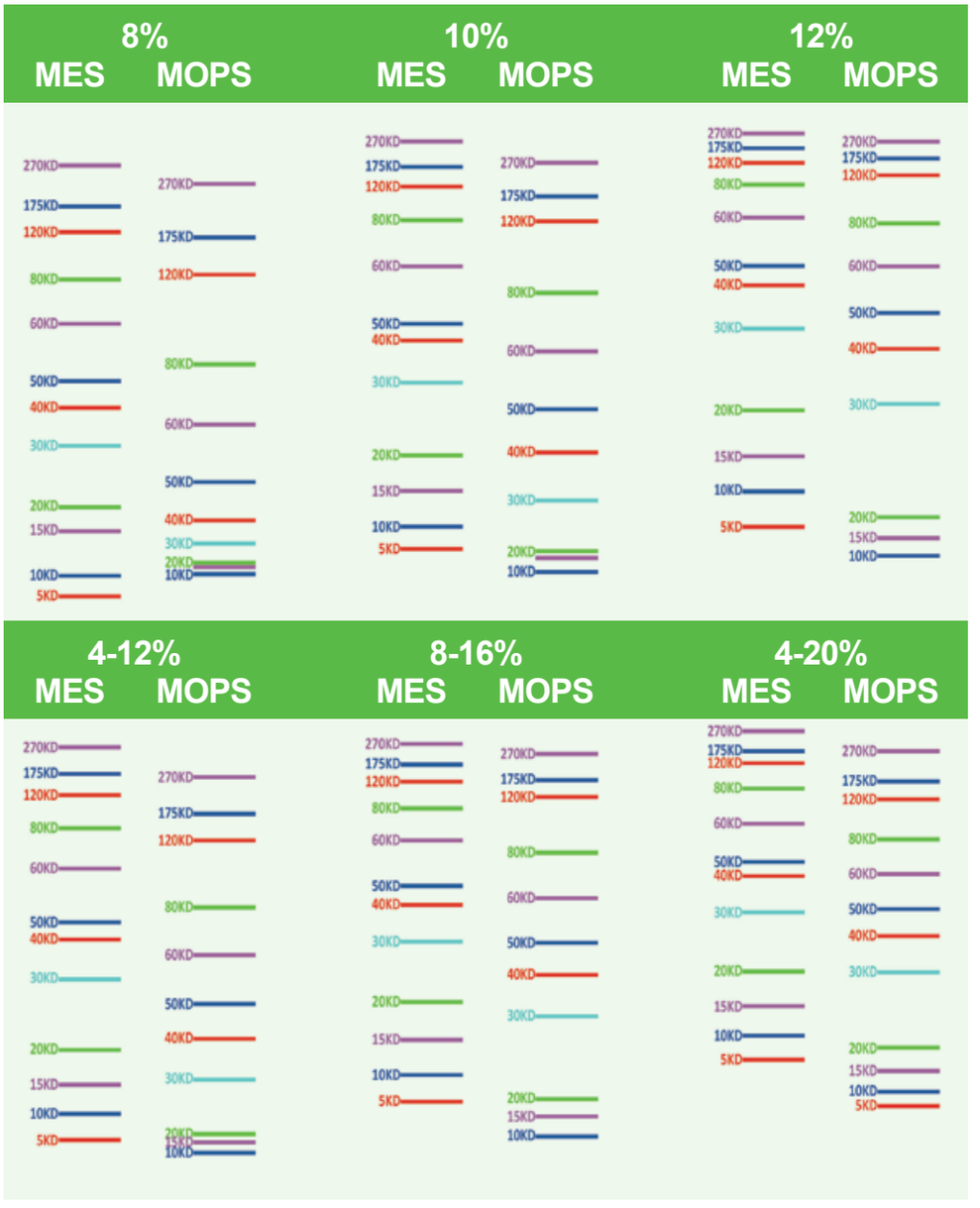
SurePage™ Gels

Guide for using SurePage™ Gels, 10×8

GenScript
Make Research Easy

1. Choose the appropriate gel for your protein electrophoresis based on the migration pattern below using MOPS buffer (see manual for migration chart using MES buffer).

Wells	Max. Vol/well
10	80 µl
12	60 µl
15	40 µl



2. Prepare the gel tank. Using MOPS (Cat. No. M00138) or MES buffer (Cat. No. M00677) as the running buffer.

★ Compatible gel tanks:

-Bio-Rad Mini-Protean (II/3/Tetra System)
-Hoefer Might Small (SE 250/ SE 260)
-Invitrogen Novex XCell I, II, & Surelock
**see manual or website for complete list*

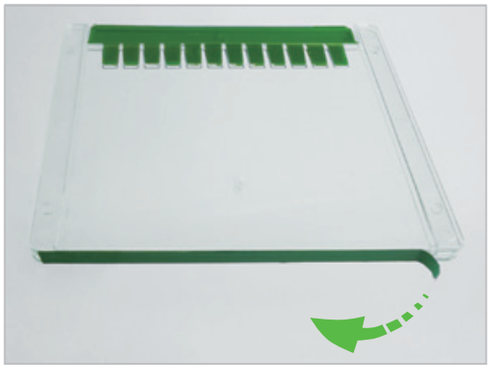
Sample preparation:

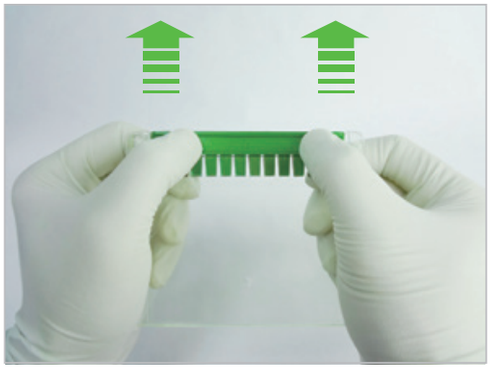
Heat the sample at 70℃ for 10 min, spin down the sample before loading.

We recommend using 4×LDS sample buffer (Cat. No. M00676), see manual for detail.

3. Peel the tape at the bottom of the gel plate, remove the comb gently, then insert the gel into the gel running apparatus and add running buffer.

Peel the tape→

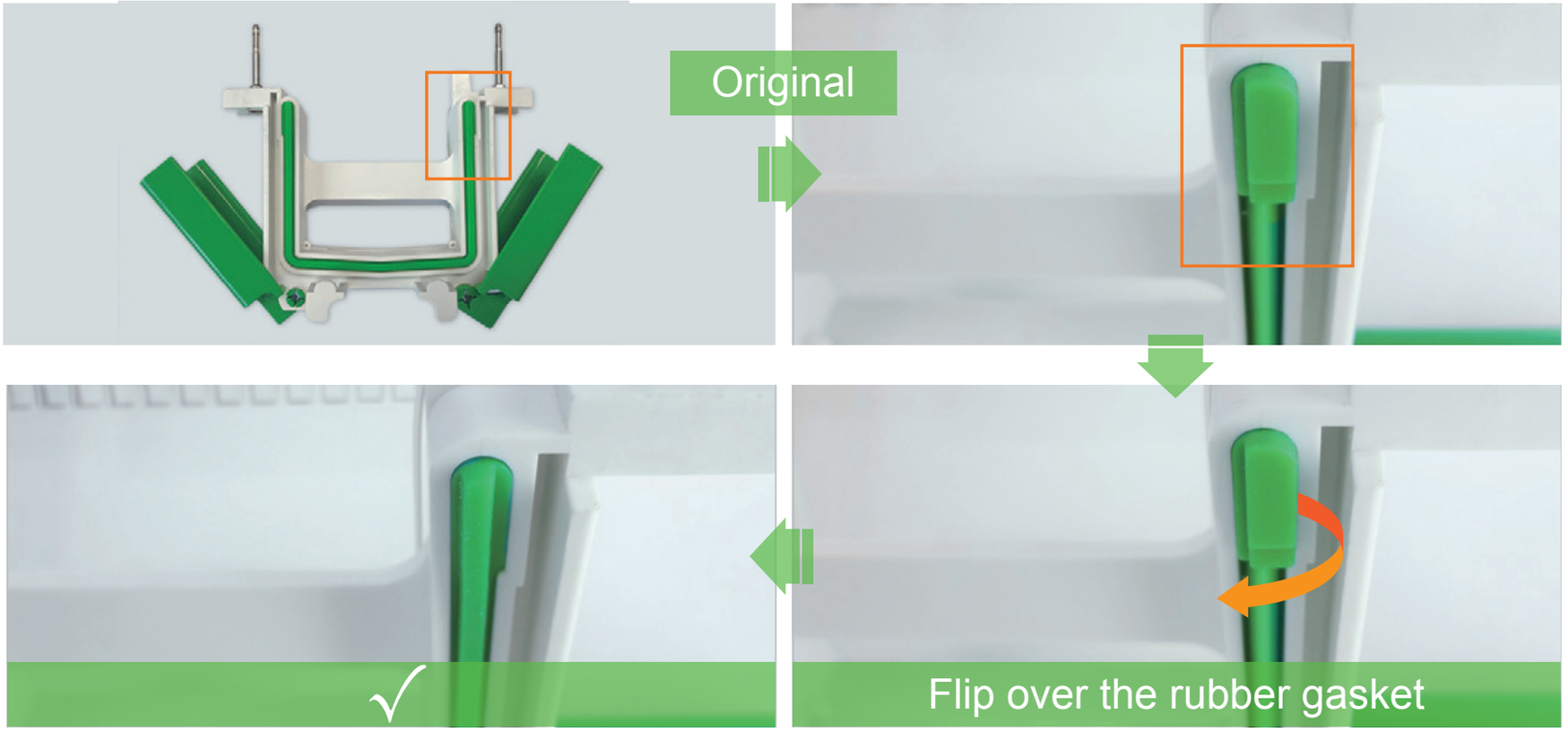




←Remove the comb

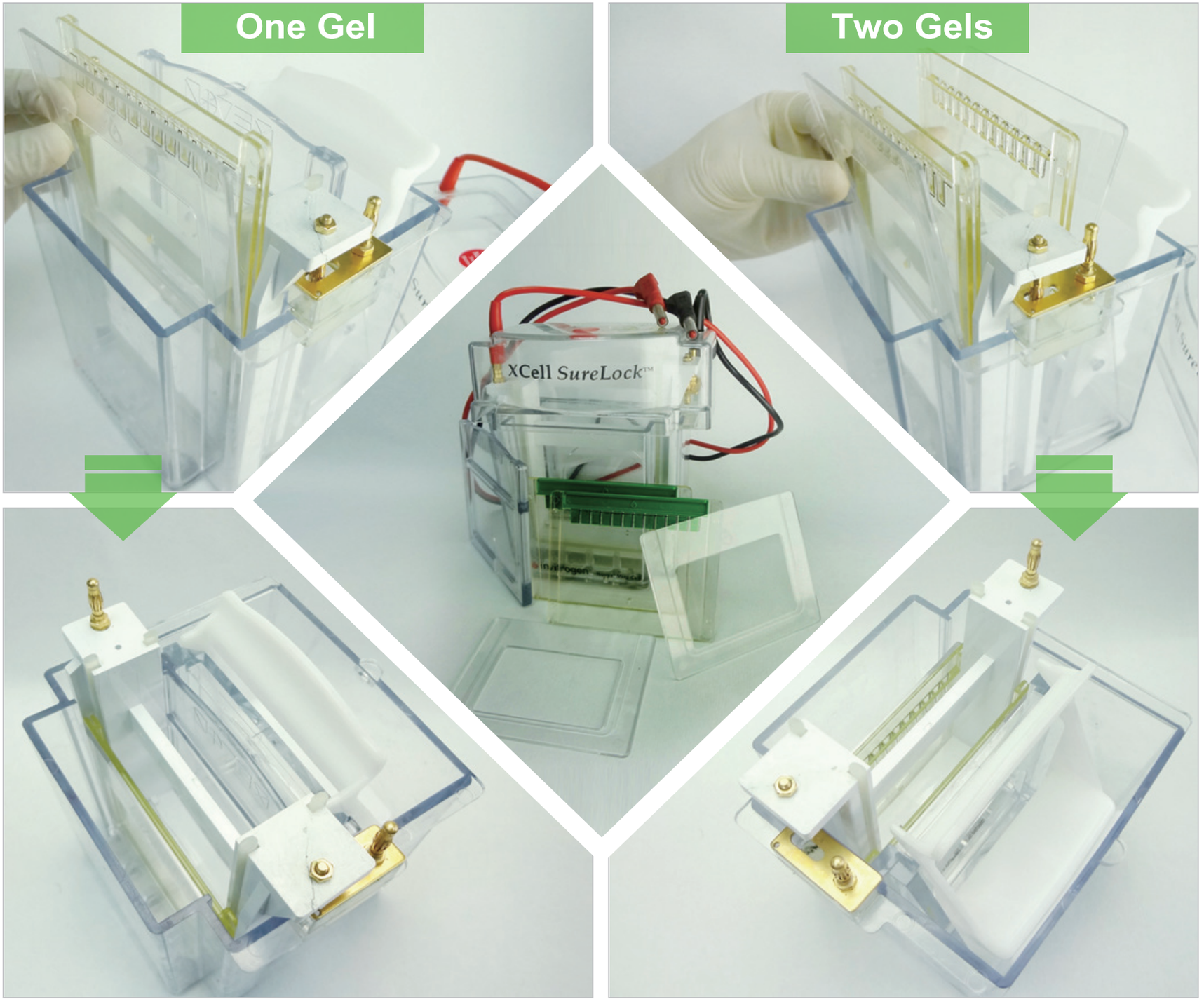
For Bio-Rad Mini-PROTEAN (II/3/Tetra):

When using Bio-Rad's gel tank, flip the gasket over so that the gel plate fits properly.



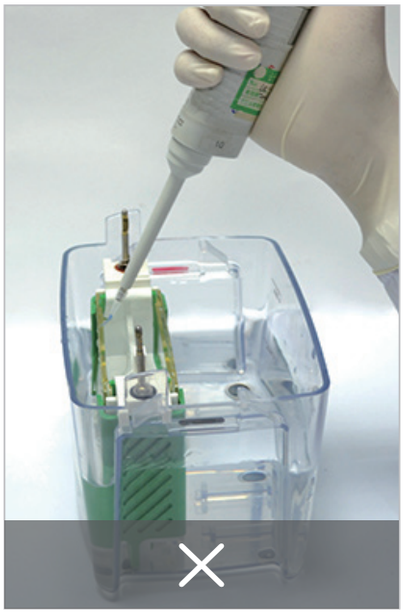
For Invitrogen Novex Xcell I, II & SureLock®:

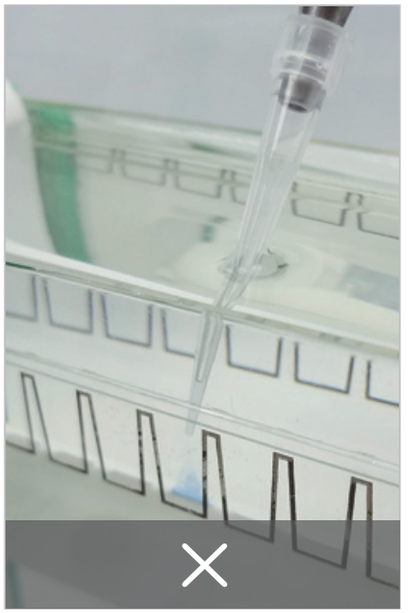
Adapters provided in the gel package are needed since the thickness of SurePage cassette is thinner than that of Invitrogen NuPAGE gel cassette.

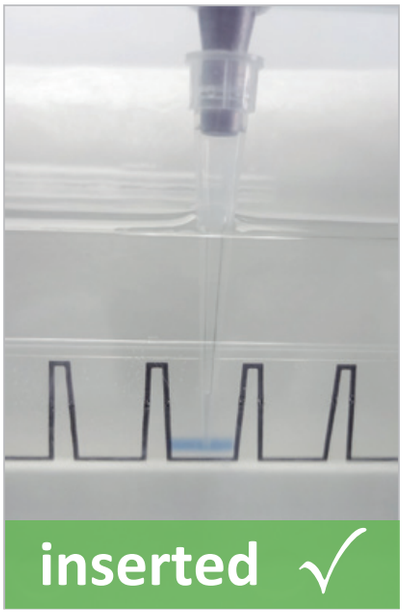


4. Sample loading.

You can use 10 µl pipette tip to load samples into the wells easily.
Make sure that the loading tip is inserted into the sample well vertically for optimal result and to avoid inserting the tip into the groove on the back plate.







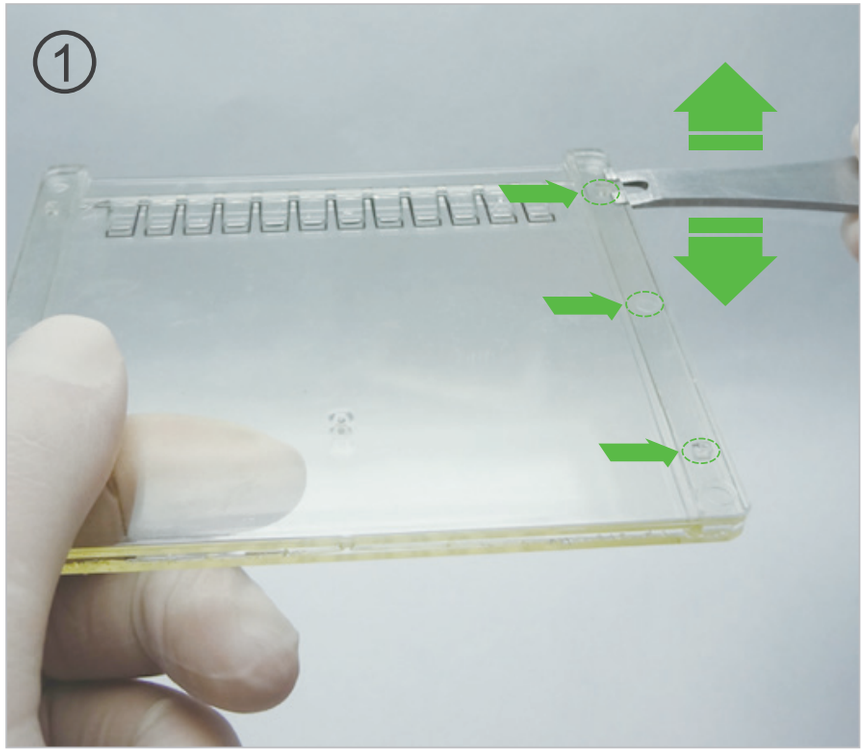
5. Running conditions.

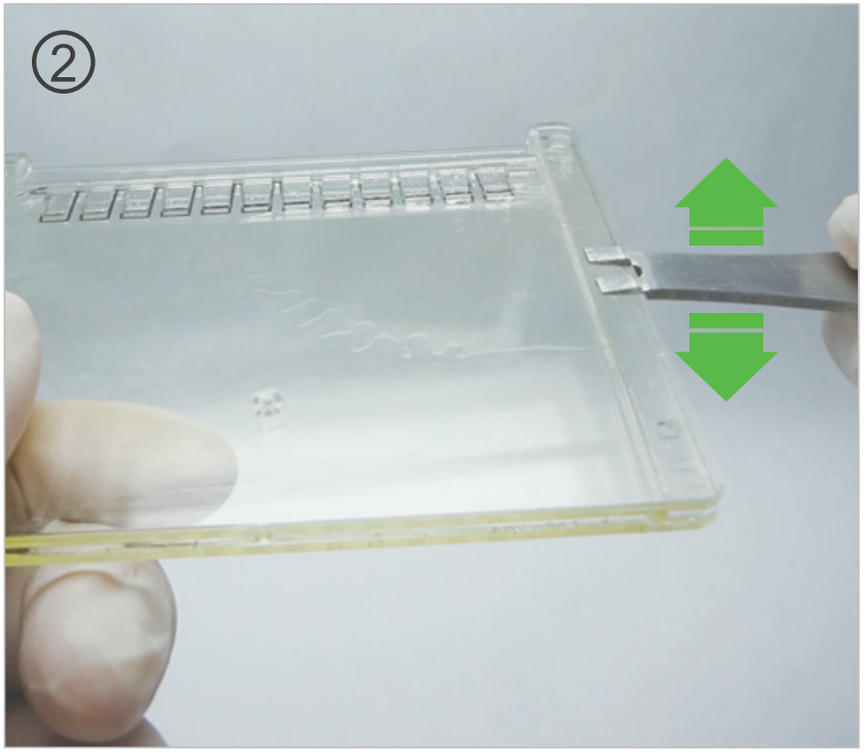
Running Buffer	Voltage	Started Current	Finished Current	Run Time per Gel
MOPS	200 V	95-120 mA	35-55 mA	30+ Minutes
MES	200 V	110-130 mA	50-70 mA	20+ Minutes

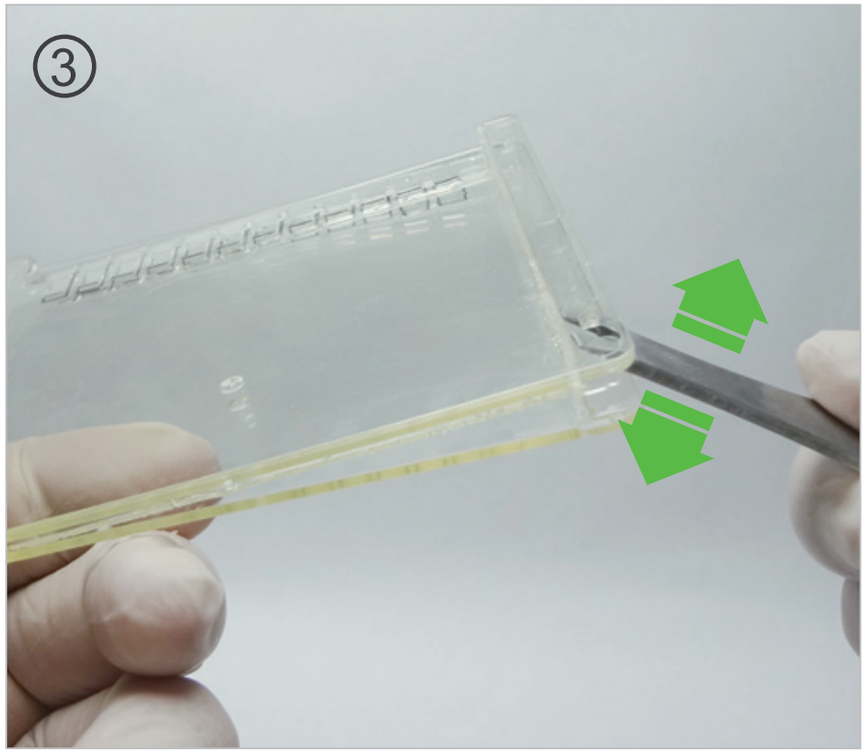
The running time may vary depending on your power supply and the gel percentage.

6. Open the cassette with an opener or a screw driver to remove the gel.

Stain your gel with Genscript's eStain L1 automatic Protein Staining System (L00657) and get high quality result in 10 min!







For more support please call local office number or in the U.S., call 1-877-436-7274 (1-732-885-9188), also you can visit www.genscript.com
E-mail: product@genscript.com

Open the cassette with GenScript's opener or a screw driver.