SDS-PAGE Gel Solution (WA):

(Catalog #: WA-150 (15%); WA-100(10%); WA-075(7.5%))

Sizes: **Resolving gel solution-A (500mL) ; Stacking gel solution-B (100mL)**
(Note*: Not includes the fresh 10%APS)

Storage: 2-8°C.

• Features and Benefits:

- Cast resolving gel and stacking gel at the same time.
- No requiring overlay solution (water or n-butanol) between resolving gel and stacking gel.
- All-IN-One solution including Acrylamide-Bis, SDS, Tris-HCl (pH8.8 or pH6.8) & TEMED.

Simple Protocol for Making a mini-SDS-PAGE gel (8x10cm):

1. Set the casting frames (clamp two glass plates in the casting frames) on the casting stands. **Note*: Pre-warm the gel solution A and B at room temperature might reduce the gel polymerize time.**
2. Prepare 10 ml of the **resolving gel solution-A** in a clean 50mL tube. Add 100 ul of fresh 10%APS. Swirl the solution gently and mix well.
3. Prepare 4 ml of the **stacking gel solution-B** in a 15mL tube. Add 20 ul of 10%APS. Swirl the solution gently and mix well.
4. Pipet appropriate amount of resolving gel solution into the gap between the glass plates. Wait for 1 minute to let it gelate.
5. Pipet appropriate amount of stacking gel solution into the gap on top of the resolving gel solution. Insert the comb without trapping air under the teeth.
6. Wait for 20-30 minutes and the gel is ready to use for protein electrophoresis.

Additional information:

5X Sample buffer (loading buffer):
10% w/v SDS
10 mM. Dithiothreitol,
20 % v/v Glycerol
0.2 M Tris-HCl, pH 6.8
0.05% Bromophenol blue

1x Running Buffer:
25 mM Tris-HCl
200 mM Glycine
0.1% (w/v) SDS

Acrylamide (%)	M.W. Range
7.5%	50 kDa - 500 kDa
10%	20 kDa - 300 kDa
15%	3 kDa - 100 kDa

Thickness of the gel	Volumes of stacking	& resolving gel
0.75mm	2mL	4mL
1.0 mm	3mL	6mL
1.5 mm	4mL	8mL

Precautions and Disclaimer: This product and procedure described are intended for R&D use only. Purchase of this product does not convey a license to perform any patented process.