



83775

## SDS PAGE Kit (Teaching)

Part E

### Specifications

Gel strength

Electrophoresis test

Visualization of bands after staining

Preparation of 12% (w/v)  
Polyacrylamide SDS Gel should  
Polymerize in 20-30 minutes  
Electrophoresis of Protein samples and  
Unstained Protein Molecular Weight  
Marker in a 12% Tris-glycine SDS gel  
should resolve individual clear bands  
Crisp Blue Bands should be visualized  
in a clear background after staining  
with Coomassie Blue Stain and  
destaining

### Other Information

Description

SDS PAGE technique involves  
separation of proteins based on their  
size under denaturing conditions using  
sodium dodecyl sulphate (SDS) and  
beta mercaptoethanol (BME). SDS  
cleaves non ionic interactions while  
BME cleaves disulphide bonds. SDS  
also imparts a strong negative charge  
to the polypeptides thereby their  
charge to mass ratio is rendered  
uniform. This allows the polypeptides  
to be separated on the basis of only  
their size, which is read by comparison  
with a standard marker.

Includes

Bis-Acrylamide solution - 55 ml  
4X Separating buffer - 35 ml  
4X Stacking buffer - 10 ml  
10% SDS - 2 ml  
Distilled water -100 ml  
Ammonium Per Sulphate(APS) - 2  
vials  
TEMED - 120 mcl  
Mid range marker 1 - 350 mcl  
Unknown Protein samples - 5 Nos.  
10X Tank Buffer Stock - 200 ml  
Coomassie Brilliant Blue stain - 250 ml  
Destain Solution I - 250 ml  
Destain Solution II - 250 ml

### General Information

Storage

Includes components ranging from RT  
to -20°C

Shelf Life

12 Months

IMDG Identification

Not Regulated for Transport (Non-Haz)

HSN Code

15 expt. Kit

38229090 (GST 12%)

## Available Packages

5 expt. Kit

15 expt. Kit

---

### Disclaimer

The information represented here may/may not represent the entire product specification, application or protocol recommended by Sisco Research Laboratories Pvt. Ltd. (SRL). This information is for the user scientists or trading community as a guide in their applications. The company claims no liability for misuse resulting due to wrong usage of the information above. For actual batch related documents, mail us.

608-B, Satellite Gazebo, Andheri Ghatkopar Link Road, Chakala, Andheri (E), Mumbai - 400 099, Maharashtra, India. Telephone: +91-22-4268 5800, Email: [info@srchem.com](mailto:info@srchem.com), website [www.srchem.com](http://www.srchem.com)

---