

## Customized SDS Protein Gel Loading Solution

**Catalog #:** 351-151-681 Pack 5 x 1mL

**Store at:** 15°C to 30°C

**Shipped at:** ambient temperature

**Note:** Quality Biological's formulation does not contain 2-mercaptoethanol or dithiothreitol

### Description

Quality Biological's (QBI) Customized SDS Protein Gel Loading Solution is prepared from molecular biology grade Tris base [tris(hydroxymethyl)aminomethane], sodium dodecyl sulfate (SDS), bromphenol (bromophenol) blue, and glycerol using Quality Biological's Molecular Biology Grade (MBG) Water. The final product is sterile filtered through a 0.2µm filter membrane.

### Applications

- *SDS-Page*<sup>1</sup>
- *Western Blotting*<sup>1</sup>

### Note:

- a) For complex mixtures, use 50µg total protein per lane
- b) For purified proteins, use 0.5-5µg total protein per lane

### Directions: (Optional)

Add, **EITHER** 2-mercaptoethanol [BME] to a final concentration of 5% **OR** dithiothreitol [DTT] to a final concentration of 5mM.

1. Use all precautions necessary when working with proteins
2. Dilute the samples 1:4 with Customized SDS Protein Gel Loading Solution
3. Heat at 95°C for 2-5 minutes prior to loading

### Quality Control

#### General

Test results of individual lots of Customized SDS Protein Gel Loading Solution are available on the Quality Biological website.

### References

1. Sambrook, J., Fritsch, E.F. & Maniatis, T. (1989) *Molecular Cloning, A Laboratory Manual, 2<sup>nd</sup> Ed.* Cold Spring Harbor Laboratory Press.

### Related Products

#### Protein Running Buffer (10X)

Catalog # 351-132-101 500mL

**All products sold by Quality Biological are intended for research use only. This product has not been approved for diagnostic or IVD use.**