

## 2X Laemmli Sample Buffer, pH 6.8, Biotechnology Grade

**Cat. No.:** BUF-5240-25ml

**Concentration:** Consists of 62.5mM Tris, 2% SDS, 10% Glycerol, 0.005% Bromophenol Blue at 1X concentration.

**Storage:** Store dark in 4°C.

### 1.0 PROTOCOL

#### 1.1 Non-reducing samples

**1.1.1** Mix 1 part of 2X Laemmli Sample Buffer to 1 part of protein sample. Vortex and spin down.

**1.1.2** Solution is ready for SDS-PAGE.

#### 1.2 Reducing samples (with 2-Mercaptoethanol)

**1.2.1** Mix 1 part of 2-Mercaptoethanol to 10 parts of 2X Laemmli Sample Buffer. Vortex and spin down.

**1.2.2** Incubate tube at 90°C for 3 minutes.

**1.2.3** Allow tube to equilibrate to room temperature before vortex and spin down.

**1.2.4** Solution is ready for SDS-PAGE.

### 2.0 MISCELLANEOUS

**2.1** If precipitation is present, allow the 2X Laemmli Sample Buffer to equilibrate to room temperature to allow the precipitation to dissolve.

**2.2** For Research Use Only. Not for diagnostic, household or other uses.