

## Sample Buffer I

Part #0080-0247, 5 ml  
#0080-0169, 25 ml

Genomic Solutions' Sample Buffer I has been designed for whole-cell sample preparation. It contains SDS and DTT and can be used as the first step in sample solubilization.

### Shelf Life:

- Storage: -70°C
- Stability: 1 Year

Reagent	Final Concentration
SDS	0.3%
DTT	200 mM
Tris HCl	28 mM
Tris base	22 mM

*pH ~ 8.0*

Sample Buffer I can be used according to the following guidelines:

**Cultured Mammalian Cells:** 240 µl boiling Sample Buffer I to each 100 mm culture dish

**Plant and other tissue types (Insect, Organ):** 1 ml Sample Buffer I at 100°C per 0.5 g tissue

**Bacterial Cells:** 40 µl Sample Buffer I to the pellet from a 1 ml of a 1 O.D. (420 nm) culture.  
*These amounts are merely a guideline and by no means represent the definitive protocol for corresponding samples.*

### Related Products:

Sample Buffer II #0080-0170, 1 ml  
Sample Buffer III #0080-0171, 25 ml  
Sample Buffer Mix #0080-0172, 25 ml  
SDS #0080-0080, 100 g • #0080-0175, 1 kg  
DTT #0080-0089, 5 g • #0080-0181, 25 g  
Tris HCl #0080-0078, 250 g • #0080-0161, 1 kg  
Tris base #0080-0077, 500 g • #0080-0160, 2.5 kg

*Genomic Solutions offers a complete line of electrophoresis products, pre-cast gels, and gel stains.*