

Tricine Loading Buffer, 2x

Ordering info

TBB0394, Tricine Loading Buffer 2x, 20 mL

Description

Tricine Loading Buffer 2x is a ready to use buffer to dilute protein samples before loading in SDS-PAGE gels. It ensures optimal band resolution when preparing peptides and small proteins for SDS-PAGE with Tris-Tricine-SDS running buffer. Tricine Loading Buffer 2x contains Coomassie Blue G-250 to monitor the electrophoresis, and SDS to denature and charge negatively the protein separating them by size and not by charge.

Storage

Store at 25 °C.

Quality Control

- Protease not detected.

Features

- Requires the addition of β -mercaptoethanol or DTT for reducing conditions.
- Reproducibility**, between lane to lane.
- Optimal band resolution**
- Composition (1x): 200 mM Tris-HCl, pH 6.8, 40% glycerol, 2% SDS, 0.04% Coomassie Blue G-250.

Also available:

Tris-Tricine-SDS Buffer 10x, pH 8.3 (TBB0396, TBB0397)

Applications

The use of tricine sample buffer ensures optimal band resolution when preparing peptides and small proteins for SDS-PAGE with Tris-Tricine-SDS running buffer.

PROTOCOL

I. Reducing conditions

To obtain the best results, prepare fresh Tricine Loading Buffer 2x with β -mercaptoethanol or DTT as reducing agent.

| Reducing Agent | CAS | V (β -mercaptoethanol) | V (Tricine Loading Buffer 2x) |
|--------------------------|-----------|-------------------------------|-------------------------------|
| β -mercaptoethanol | 60-24-2 | 20 μ L | 980 μ L |
| DTT (2M)* | 3483-12-3 | 62.5 μ L | 937.5 μ L |

* use a fresh solution!

II. Sample Preparation

1. Add 1 volume of Tricine Loading Buffer 2x to 1 volume of protein sample. Mix well.
2. Incubated at 85°C for 2 minutes.
3. Keep at room temperature, 10 minutes.
4. Load the gel.