

# ReliaBLOT<sup>®</sup> LDS Sample Buffer (4X)



**Catalog No.**  
WB104-10

**Description:** Bethyl Laboratories ReliaBLOT<sup>®</sup> LDS Sample Buffer (4X) is used to prepare protein samples for denaturing SDS polyacrylamide gel electrophoresis (SDS-PAGE).

**Amount:** 10 ml

**Application:** For preparation of protein samples for denaturing SDS-PAGE, dilute the protein sample 3:1 with ReliaBLOT<sup>®</sup> LDS Sample Buffer to achieve a final 1X concentration of LDS Sample Buffer. ReliaBLOT<sup>®</sup> LDS Sample Buffer does not contain an agent for the reduction of disulfide bonds. For optimal reduction of disulfide bonds, add ReliaBLOT<sup>®</sup> DTT Reducing Agent (WB108) to the protein sample in LDS Sample Buffer to a final concentration of 100mM (1X). Prior to loading the prepared protein sample on the gel, heat the sample at 95° C for 5 minutes and load immediately.

**Storage:** Store ReliaBLOT<sup>®</sup> LDS Sample Buffer (4X) at room temperature.

**Expiration Date:** See lot specific data sheet.

<b>Related Products:</b>	ReliaBLOT <sup>®</sup> DTT Reducing Agent	WB108
	ReliaBLOT <sup>®</sup> SDS-PAGE Gels, 4-8%, 10 x 10 cm	WB101-40812G
	ReliaBLOT <sup>®</sup> SDS-PAGE Gels, 4-12%, 10 x 10 cm	WB101-01212G
	ReliaBLOT <sup>®</sup> SDS-PAGE Gels, 4-20%, 10 x 10 cm	WB101-42012G
	ReliaBLOT <sup>®</sup> SDS-PAGE Gels, 12%, 10 x 10 cm	WB101-41212G
	ReliaBLOT <sup>®</sup> SDS-PAGE Gels, 4-8%, 10 x 8 cm	WB102-40812G
	ReliaBLOT <sup>®</sup> SDS-PAGE Gels, 4-12%, 10 x 8 cm	WB102-01212G
	ReliaBLOT <sup>®</sup> SDS-PAGE Gels, 4-20%, 10 x 8 cm	WB102-42012G
	ReliaBLOT <sup>®</sup> SDS-PAGE Gels, 12%, 10 x 8 cm	WB102-41212G
	ReliaBLOT <sup>®</sup> Running Buffer (20X)	WB105-500

# ReliaBLOT<sup>®</sup> LDS Sample Buffer (4X)



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## MATERIAL SAFETY DATA SHEET

### Contents Description

ReliaBLOT<sup>®</sup> LDS Sample Buffer (4X) contains: 40% Glycerol, 8% LDS, 424mM Tris-HCl, 564 mM Tris-Base, 2.04 mM EDTA, 0.72 mM Phenol Red, and 0.88 mM coomassie brilliant blue G250.

### Hazardous Ingredients

Glycerol has target organ effects to the kidney, and causes mild skin and eye irritation. May be harmful if inhaled, absorbed through skin, or ingested. Avoid inhalation of vapor or mist, and contact with skin and eyes.

LDS is an irritant. LDS can cause skin, and eye irritation, and may cause respiratory irritation. May be harmful if absorbed through skin or ingested.

Tris Base is an irritant. It can cause skin, respiratory, and serious eye irritation. It may be harmful if swallowed. Avoid contact with skin and eyes.

Tris-HCL may cause respiratory tract, skin, and eye irritation. It may be harmful if swallowed.

### Disposal Guidelines

Observe all Federal, State and Local laws concerning health and pollution.

The above information is believed to be correct but does not purport to be all-inclusive and is intended to be used only as a guide. Bethyl Laboratories, Inc. shall not be liable or responsible in any way for use of either this information or the material supplied. Disposal of hazardous material may be subject to federal, state, or local laws or regulations.