

ReliaBLOT[®] DTT Reducing Agent



Catalog No.
WB108

- Description:** Bethyl Laboratories ReliaBLOT[®] DTT (dithiothreitol) Reducing Agent is used as a reducing agent for preparation of protein samples for SDS polyacrylamide gel electrophoresis (SDS-PAGE).
- Amount:** 0.15 g powder
- Application:** For the reduction of disulfide bonds in protein samples, add DTT to a final concentration of 100mM (1X) to protein samples diluted in 1X ReliaBLOT[®] LDS Sample Buffer. Heat samples to 95° C for 5 minutes and load immediately on SDS-PAGE gel.
- Preparation:** Add 1.0 ml of ultrapure water directly to the tube containing 0.15g DTT powder to yield a 1M [10X] solution of DTT. For best results, aliquot and store at -20° C; avoid repeated freeze thaw cycles.
- Storage:** Store DTT powder at 2 - 8° C.
Store DTT solution in aliquots at -20° C.
- Stability:** Powder is stable for one year from date of receipt.
Solution is stable in aliquots at -20° C for 6 months.
- Related Products:**
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| ReliaBLOT [®] 4X LDS Sample Buffer | WB104-10 |
| ReliaBLOT [®] SDS-PAGE Gels, 4-8%, 10 x 10 cm | WB101-40812G |
| ReliaBLOT [®] SDS-PAGE Gels, 4-12%, 10 x 10 cm | WB101-01212G |
| ReliaBLOT [®] SDS-PAGE Gels, 4-20%, 10 x 10 cm | WB101-42012G |
| ReliaBLOT [®] SDS-PAGE Gels, 12%, 10 x 10 cm | WB101-41212G |
| ReliaBLOT [®] SDS-PAGE Gels, 4-8%, 10 x 8 cm | WB102-40812G |
| ReliaBLOT [®] SDS-PAGE Gels, 4-12%, 10 x 8 cm | WB102-01212G |
| ReliaBLOT [®] SDS-PAGE Gels, 4-20%, 10 x 8 cm | WB102-42012G |
| ReliaBLOT [®] SDS-PAGE Gels, 12%, 10 x 8 cm | WB102-41212G |
| ReliaBLOT [®] Running Buffer (20X) | WB105-500 |

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MATERIAL SAFETY DATA SHEET

Contents Description

This product contains DTT.

Hazardous Ingredients

DTT is an irritant. It is toxic by ingestion and has target effects to the central nervous system. It can cause skin, respiratory tract, and eye irritation. It may be harmful if inhaled or absorbed through the skin. Avoid dust formation. Avoid breathing dust and ensure adequate ventilation.

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.