

# LDS Sample Buffer, Non-Reducing (4X)

84788

2214.0

Number	Description
84788	<b>LDS Sample Buffer, Non-Reducing (4X)</b> , 5 ml, contains 40% glycerol, 4% lithium dodecyl sulfate (LDS), 0.8 M triethanolamine-Cl pH 7.6, 4% Ficoll <sup>®</sup> -400, 0.025% phenol red, 0.025% coomassie G250, 2 mM EDTA disodium

**Storage:** Upon receipt store at room temperature.

## Introduction

The Thermo Scientific LDS Sample Buffer, Non-Reducing (4X) is a convenient sample buffer for use in SDS-polyacrylamide gel electrophoresis (SDS-PAGE). The buffer contains coomassie dye, enabling visualization of the electrophoresis progress by the location of the dye front. The LDS Sample Buffer, Non-Reducing (4X) may be used in denaturing gels and is compatible with coomassie dye and silver staining, and Western blotting procedures.

## Procedure

**Note:** For reducing gels, add an appropriate reducing agent to the sample before electrophoresis.

1. Mix one volume of LDS Sample Buffer with three volumes of protein sample (e.g., 5  $\mu$ l sample buffer + 15  $\mu$ l protein sample).

**Note:** Failure to properly dilute the sample buffer may cause a diffuse dye front.

2. Heat sample at 100°C for 3-5 minutes.
3. Allow sample to cool to room temperature.
4. Load sample onto the SDS-polyacrylamide gel and begin electrophoresis.
5. Stop electrophoresis when the dye front is near the bottom of the gel.

## Related Thermo Scientific Products

26800	<b>PAGE Prep Protein Clean-Up and Enrichment Kit</b>
26691	<b>3-Color Prestained Molecular Weight Markers</b> , 1 $\times$ 48 tubes
26681	<b>Prestained Molecular Weight Markers</b> , 1 $\times$ 48 tubes
77720	<b>Bond-Breaker<sup>®</sup> TCEP (Odorless reducing agent)</b> , 5 ml
20291	<b>DTT, No-Weigh Format</b> , 1 $\times$ 48 tubes
28398	<b>BupH<sup>™</sup> Tris-HEPES-SDS Running Buffer</b> , 10 packs
28380	<b>BupH Tris-Glycine Transfer Buffer</b> , 40 packs
24590	<b>GelCode<sup>®</sup> Blue Stain Reagent</b> , 500 ml
24612	<b>Pierce<sup>®</sup> Silver Stain Kit</b>
24597	<b>Pierce Color Silver Stain Kit</b>
24582	<b>Pierce Zinc Reversible Stain Kit</b>
84708-84714	<b>Pierce Protein Gels</b> , for the complete selection of Precise Protein Gels, please visit our website
25200-25244	<b>Precise<sup>™</sup> Protein Gels</b> , for the complete selection of Precise Protein Gels, please visit our website

Ficoll is a registered trademark of GE Healthcare Biosciences AB Ltd.

This product ("Product") is warranted to operate or perform substantially in conformance with published Product specifications in effect at the time of sale, as set forth in the Product documentation, specifications and/or accompanying package inserts ("Documentation") and to be free from defects in material and workmanship. Unless otherwise expressly authorized in writing, Products are supplied for research use only. No claim of suitability for use in applications regulated by FDA is made. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation, this warranty is limited to one year from date of shipment when the Product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the original purchaser of the Product ("Buyer").

**No other warranties, express or implied, are granted, including without limitation, implied warranties of merchantability, fitness for any particular purpose, or non infringement. Buyer's exclusive remedy for non-conforming Products during the warranty period is limited to replacement of or refund for the non-conforming Product(s).**

There is no obligation to replace Products as the result of (i) accident, disaster or event of force majeure, (ii) misuse, fault or negligence of or by Buyer, (iii) use of the Products in a manner for which they were not designed, or (iv) improper storage and handling of the Products.

Current versions of product instructions are available at [www.thermo.com/pierce](http://www.thermo.com/pierce). For a faxed copy, call 800-874-3723 or contact your local distributor.

© 2010 Thermo Fisher Scientific Inc. All rights reserved. Unless otherwise indicated, all trademarks are property of Thermo Fisher Scientific Inc. and its subsidiaries. Printed in the USA.