

# KPL 10X Phosphatase Assay Buffer

*for alkaline phosphatase-based detection*

Catalog No.  
5960-0017 (50-63-14)

Size  
200 mL

## DESCRIPTION

KPL 10X Phosphatase Assay Buffer is designed for use with alkaline phosphatase based detection systems on membranes. KPL 10X Phosphatase Assay Buffer is intended to work in conjunction with KPL 10X Phosphatase Wash Solution and KPL CDP-Star<sup>®</sup> chemiluminescent substrate.

## FORM/STORAGE/STABILITY

200 ml of 10X Phosphatase Assay Buffer provides sufficient volume to process approximately 1000 cm<sup>2</sup> of membrane. Store at 2-8°C. Stable for a minimum of 1 year from date of receipt when stored at 2-8°C.

## APPLICATIONS

KPL 10X Phosphatase Assay Buffer may be used in detection of alkaline phosphatase labeled conjugates on membranes in procedures such as Western, Southern and Northern Blotting, and dot blots.

## USE

**Note:** For best results, SeraCare recommends using KPL Phosphatase Wash Solution in conjunction with the KPL 10X Phosphatase Assay Buffer.

1. After incubation with alkaline phosphatase-labeled conjugate, transfer membrane to a clean container.
2. Wash membrane with KPL Phosphatase Wash Solution (or other appropriate wash solution) 3 X 5 minutes each at room temperature using sufficient volume to completely immerse the membrane (1 mL per cm<sup>2</sup> membrane). Agitate the solution during incubation.
3. Dilute KPL 10X Phosphatase Assay Buffer 1:10 in molecular biology grade water. Rinse the membrane 2 X 2 minutes using 0.5 mL per cm<sup>2</sup> of membrane.
4. Drain off KPL Phosphatase Assay Buffer completely.
5. Detect using KPL CDP-Star.

## PRODUCT SAFETY AND HANDLING

This product is considered non-hazardous as defined by The Hazard Communication Standard (29 CFR 1910.1200). Avoid contact with skin and eyes. In case of contact or spillage, clean with copious amounts of water. Product may be disposed via a sanitary sewer.

## RELATED PRODUCTS

	CAT. NO.
KPL 5X Phosphatase Wash Solution	5960-0018 (50-63-15)
KPL Hybridization Bags	5960-0026 (60-00-51)
KPL Biodyne B Membrane	5960-0025 (60-00-50)
KPL AP Streptavidin	5950-0005 (475-3000)
KPL PCR Biotinylation Kit	5910-0031 (60-01-01)
KPL Detector™ AP Chemiluminescent Blotting Kit, 2000 cm <sup>2</sup>	5910-0028 (54-30-01)
KPL Detector™ AP Chemiluminescent Blotting Kit, 500 cm <sup>2</sup>	5910-0029 (54-30-02)

The product listed herein is for research use only and is not intended for use in human or clinical diagnosis.