

SSPE BUFFER, 20X LIQUID Sterile, 5L**PG-0180-5L**

SSPE Buffer (20X) Sterile is a concentrated saline-sodium phosphate-EDTA buffer commonly used in molecular biology for nucleic acid hybridization, Southern and Northern blotting, DNA and RNA washing procedures, and membrane-based detection techniques. The solution is sterile-filtered and ready to use, providing optimal ionic strength and buffering capacity for nucleic acid applications.

Details

Product Name	SSPE Buffer, 20X Liquid Sterile
Description	A sterile concentrated buffer containing sodium chloride, sodium phosphate, and EDTA, designed for nucleic acid hybridization, blotting procedures, and washing steps in molecular biology applications.
Molecular Weight	Not Applicable (mixture)
Appearance	Clear, colorless liquid
Formula	Contains 3.6 M Sodium Chloride, 0.2 M Sodium Phosphate, and 20 mM EDTA in purified water
Solubility	Completely miscible with water
pH	7.4 ± 0.2 (at 25°C)
CAS Number	Mixture (Contains Sodium Chloride CAS No. 7647-14-5, Sodium Phosphate CAS No. 7558-79-4, and EDTA CAS No. 6381-92-6)
Storage Condition	Store at 15–30°C. Keep container tightly closed. Protect from contamination.
Applications / Uses	Used in Southern blotting, Northern blotting, nucleic acid hybridization, DNA and RNA washing procedures, membrane hybridization assays, molecular biology research, and diagnostic applications.
Safety	

Generally considered non-hazardous under normal laboratory conditions. Avoid ingestion and contact with eyes. Use standard laboratory PPE including gloves, lab coat, and safety glasses.