

20X SSPE

Store at room temperature.

Catalog # (P/N):	AM9767	AM9768
Amount:	1 L	10 pack
Appearance:	Clear liquid	White powder
Product Description:	20X SSPE powdered and liquid buffers; when diluted to a 1X working concentration, the resulting solution will be 150 mM Sodium Chloride, 10 mM Sodium Phosphate, and 1mM Na ₂ EDTA.	
Storage Conditions:	Store at room temperature.	

USER INFORMATION

General Information:	Each bottle of 20X SSPE solution is ready to use upon dilution to the desired concentration. The solution has been filtered through a 0.2 µm filter into a sterile autoclavable bottle.
	Each individual package of powdered 20X SSPE contains the necessary powder to make 1 L of 20X SSPE buffer upon addition of water.
	To make 1 L of 20X SSPE from P/N AM9768, fill a graduated cylinder or beaker with approximately 600 mL of distilled water and place a magnetic stir bar into the container. Place the container on a stir plate and slowly add the contents of one package of 20X SSPE powder to the stirring water. Let the solution stir until the powder is completely dissolved. Add distilled water to bring up the volume to one L.

QUALITY CONTROL

	The powdered buffer is prepared at a 1X concentration and tested in the following quality control assays. The liquid buffer is tested in the following quality control assays before and after final packaging.
Nonspecific Endonuclease Activity:	Meets or exceeds specification when a sample is incubated for 14–16 hr with 300 ng supercoiled plasmid DNA and analyzed by agarose gel electrophoresis.
Exonuclease Activity:	Meets or exceeds specification when a sample is incubated for 14–16 hr with 40 ng labeled <i>Sau3A</i> fragments of pUC19 and analyzed by PAGE.
RNase Activity:	Meets or exceeds specification when a sample is incubated for 14–16 hr with 25 ng labeled RNA and analyzed by PAGE.

OTHER INFORMATION

Material Safety Data Sheets:	Material Safety Data Sheets (MSDSs) can be printed or downloaded from product-specific links on our website at the following address: www.ambion.com/techlib/msds . Alternatively, e-mail your request to MSDS_Inquiry_CCRM@appliedbiosystems.com . Specify the catalog or part number(s) of the product(s), and we will e-mail the associated MSDSs unless you specify a preference for fax delivery. For customers without access to the internet or fax, our technical service department can fulfill MSDS requests placed by telephone or postal mail. (Requests for postal delivery require 1–2 weeks for processing.)
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