

Bioland Scientific LLC

Material Safety Data Sheet

Version 1.0
Revision Date 13/06/2018
Print Date 13/06/2018

1. PRODUCT AND COMPANY IDENTIFICATION

Product name	20x SSPE.
Product Number	SSPE01
Brand	Bioland Scientific LLC
Company	Bioland Scientific LLC 14925 Paramount Blvd., Suite C Paramount, CA 90723 USA
Telephone	1-562-377-2668
Fax	1-562-733-6008
Emergency Phone #	1-562-377-2668

2. 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 μ m 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.

3. 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 Sau3A 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

4.OTHER INFORMATION

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