

Datasheet for MB-045-4000**20X SSC pH 7.0****Overview**

Description:	20X SSC (3.0 M Sodium Chloride, 0.3 M Sodium Citrate, pH 7.0) DEPC Treated (4 x 1 liter) - MB-045-4000
Item No.:	MB-045-4000
Size:	4 x 1 L
Applications:	Other

Product Details

Background:	Saline-sodium citrate (SSC) buffer is most commonly used as a buffer for the hybridization process and washing in experiments where species of nucleic or ribonucleic acid are to be matched to complimentary sequences (such as Southern and Northern blotting, in situ hybridization, or DNA microarrays). SSC is used to help control the stringency of hybridization in these steps.
Synonyms:	Saline-sodium citrate, sodium chloride sodium citrate, SSC

Target Details

Purity/Specificity:	20X SSC (3.0 M Sodium Chloride, 0.3 M Sodium Citrate, pH 7.0) DEPC Treated was aseptically filtered through a Millipore 0.22 micron filter into clean, pre-sterilized containers. 20X SSC pH 7.0 (3.0 M Sodium Chloride, 0.3 M Sodium Citrate, pH 7.0) DEPC Treated was tested on trypticase soy agar for 24 hours, 48 hours and 72 hours and was found to be negative for bacteria.
Relevant Links:	MB-045 SDS

Application Details

Suggested Applications:	Other (Based on references)
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Application Note: 20X SSC (3.0 M Sodium Chloride, 0.3 M Sodium Citrate, pH 7.0) DEPC Treated is a concentrated stock solution and should be diluted appropriately with distilled, deionized water or equivalent to its final working concentration. 20X SSC (3.0 M Sodium Chloride, 0.3 M Sodium Citrate, pH 7.0) DEPC Treated contains 3.0 M Sodium Chloride, 0.3 M Sodium Citrate adjusted to pH 7.0. Meticulously prepared using ultra pure reagents dissolved in highly polished pharmaceutical grade deionized water treated with diethyl pyrocarbonate (DEPC).

Assay Dilutions: All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

Formulation

Physical State: Liquid (sterile filtered)

Concentration: 20X

Buffer: See application note.

Preservative: None

Stabilizer: None

Shipping & Handling

Shipping Condition: Ambient

Storage Condition: Store container at room temperature (18° to 26° C) prior to opening.

Expiration: Expiration date is six (6) months from date of receipt.

Images



Bottle

20X SSC (3.0 M Sodium Chloride, 0.3 M Sodium Citrate, pH 7.0) DEPC Treated

References

- Ding X et al. Temporally resolved single-cell RNA sequencing reveals protective and pathological responses during herpes simplex virus CNS infection. *J Neuroinflammation*. (2025)

Disclaimer

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