

Product Information

SSC Buffer, 20X Concentrate

SRE0068

Storage Temperature: 2–8 °C

Synonym: Saline Sodium Citrate Buffer

Product Description

SSC Buffer, 20X Concentrate, is a standard reagent in Southern and Northern blotting procedures. This concentrated formula can be used straight or diluted to make SSC working solutions with concentrations as low as 0.5X. It is also for use in preparing nucleic acids for hybridization.

This SSC Buffer, 20X Concentrate, contains 0.3 M sodium citrate in 3 M NaCl.

Precautions and Disclaimer

For manufacturing, processing, or repacking. Please consult the Safety Data Sheet for information regarding hazards and safe handling practices.

Preparation Instructions

Preparation of 1X SSC Working Buffer

Dilute the 20X concentrated buffer 20-fold with ultrapure water ($\geq 18 \text{ M}\Omega\text{cm}$ resistivity at 25 °C).

Note: If precipitation is present in the 20X concentrated buffer, warm the bottle to 37 °C and mix until completely dissolved prior to dilution.

It is recommended 1X working solutions be filtered through a 0.2 μm filter before use.

1X working solutions can be used until the expiration date on packaging with storage at 2–8 °C. If buffer becomes cloudy or discolored, discontinue use and discard.

Storage/Stability

This product is stable for two years from the date of manufacture when stored at 2–8 °C. Do not use past expiration date printed on product label.

References

1. Böttger, M. et al., Interaction of histone H1 with superhelical DNA. Sedimentation and electron microscopical studies at low salt concentration. *Nucleic Acids Research*, 9(20), 5253-5268 (1981).
2. Maison, C. et al., SUMOylation promotes de novo targeting of HP1 α to pericentric heterochromatin. *Nature Genetics*, 43(3), 220-227 (2011).
3. Yang, Guanghua et al., Integration-deficient lentivectors: an effective strategy to purify and differentiate human embryonic stem cell-derived hepatic progenitors. *BMC Biology*, 11, 86 (2013).

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