

20X SSC(Saline-Sodium Citrate)

Product	Con.	Cat#	Size
SSC(Saline-Sodium Citrate)	20X	IBS-BS011	1 L 500 ml

Components : Sodium Chloride 3M, Sodium Citrate 0.3M, pH 7.0

Storage Conditions : Room Temperature

Stable for a minimum of 1 year from date of receipt at room temperature.

Description :

In biochemistry and molecular biology, the saline-sodium citrate (SSC) buffer is used as a hybridization buffer, to control stringency for washing steps in protocols for Southern blotting, in situ hybridization, DNA Microarray or Northern blotting. 20X SSC may be used to prevent drying of agarose gels during a vacuum transfer. 20X SSC is a common buffer used in a variety of molecular biology applications. It is a clear, colorless solution made up of molecular biology grade 3.0 M NaCl and 0.3 M sodium citrate at pH 7.0. The solution is filtered through a 0.2 µm filter into a DNase/RNase-free bottle.

Application :

20X SSC can be used as a blotting buffer to facilitate transfer of nucleic acids to membranes in Southern and Northern blotting, dot blots, and colony lifts; as a buffer for hybridization; or as a post-hybridization wash buffer.

Use :

20X SSC can be used either concentrated or diluted. To prepare a less concentrated solution, dilute the 20X SSC in autoclaved or sterile-filtered H₂O. Diluted SSC is stable for a minimum of 1 year at room temperature.