20 x SSC Buffer Instructions (pH7.0)

Item No. : S1030

Specifications: 100mL, 500mL

Storage: Store at room temperature for at least 18 months.

Product Description:

Component	**concentration**
NaCl	3 M
Sodium citrate	0.3 M

HCl regulates pH to 7.0

saline sodium citrate (SSC) buffer solution is the most standard imprinting and hybridization treatment solution in molecular biology, designed for various hybridization experiments to achieve denaturation and cleaning purposes. The main components are sodium chloride and sodium citrate. Sodium citrate in SSC buffer plays a buffering role, and salt ions (Na) neutralize the negative charge on the main chain of nucleic acid, making it electroneutral, which makes the binding of probe and target sequence easier. It is also used in the preparation of SDS-PAGE electrophoresis separation gel. For nucleic acid hybridization, different concentrations of different effects: commonly used 2×, and 0.5×

2×SSC: high-salt wash membrane to wash away part of the nonspecific binding probe.

0.5 x SSC: Low salt wash membrane, increasing the rigor of nucleic acid chains, so that the repulsion between RNA/DNA increases.

This product is 20× concentrated liquid, after filtration and high pressure sterilization treatment, can be diluted directly with deionized water according to experimental requirements.

Note:

1. Pay attention to avoid the solution being contaminated by microorganisms during use.
2. Store at room temperature, if the solution is kept at low temperature, it may produce precipitation, which can be shaken or heated to dissolve.

Related products:

D1080	*50 x Denhardt solution*
F8120	*Formamide*
H1060	*Salmon Extract DNA 10mg/mL*
S1035	*20 x SSC PH5.3*
S1090	*20 x SSC PH7.4*
S1160	*20 x SSPE PH7.4*
D2810	*DNA Annealing Buffer (5 x)*