

FICHE TECHNIQUE

S1512: SSPE-BUFFER

A homogeneous mixture of molecular grade Sodium chloride, Sodium phosphate and EDTA disodium to prepare SSPE-buffer. Suitable for use in nucleic acid hybridisation.

NaCl	0.15 M	8.77 g/l
NaH ₂ PO ₄ ·H ₂ O	0.01 M	1.38 g/l
EDTA-Na ₂ ·2H ₂ O	0.001 M	0.37 g/l
		10.52 g/l

pH (water, 20°C): 8.3 ± 0.2

Sambrook, J., et al., Molecular Cloning: A Laboratory Manual, Cold Spring Harbor Laboratory (1989), p.B.13.

- after dissolving 10.52 gram in 1 litre of water, a 1 x SSC solution is prepared with a concentration of 0.15 M NaCl, 0.01 M Sodium phosphate and 0.01 Na₂EDTA.
- after dissolving 210.4 gram in 1 litre of water, a 20 x SSC solution is prepared with a concentration of 3.0 M NaCl and 0.2 M Sodium phosphate and 0.02 mol Na₂EDTA.
- to avoid precipitation no higher concentrations of 20x SSC stock solutions are recommended.

20 ltr pack, to prepare 20 l (1X) solution or 1 l (20X) solution
 S1512.0020 210.4 g

200 ltr pack, to prepare 200 l (1X) solution or 10 l (20X) solution
 S1512.0200 2103.6 g