



SMARTBUFFERS

Saline Sodium Citrate Buffer (SSC), pH 7.0



Features

- Formulated from analytical grade chemicals
- Two stock solutions: 2x and 20x
- Buffering agent to control acidity
- Choice of convenient tablets or powder in pouches
- Eliminates tedious pH adjustments

Product description

Medicago's SSC buffer is specifically developed for Northern and Southern transfer protocols and nucleic acid preparations. SSC buffer is an acid salt buffer solution and is used as a buffering agent to control acidity. The buffer is supplied in two sizes giving 100 ml or 1000 ml of 0.30 M sodium citrate, 3.0 M sodium chloride buffer or 1000 ml of 0.03 M Sodium citrate, 0.30 M sodium chloride buffer with pH 7.0 at 25°C when one tablet or the contents of one pouch is dissolved in deionized water.

Applications

- Nucleic acid hybridization
- Blot transfer procedures
- Nucleic acid preparation

Directions for use

Empty one pouch or deposit one tablet of the SSC buffer in a laboratory flask or beaker placed on a magnetic stirrer. Add 50 ml or 300 ml of deionized water and stir for a couple of minutes. Adjust the volume up to 100 ml or 1000 ml, stir until full dissolution and the buffer is ready to use.

Tips and hints

Dilute the SSC buffer stock solutions to required concentration just before use. If the tablet or the contents of the pouch is not properly dissolved, make sure:

- the water temperature is 25°C (do not exceed this temperature)
- the buffer solution is properly stirred.

Sterilization can be performed by filtration. Filter the buffer solution into a sterile flask through a 0.22 µm filter and keep at +4°C.

Specifications

| | |
|-----------------|---|
| Chemicals | Analytical grade |
| Format | Exactly pre-weighed powder mix and tablets |
| Composition 20x | 3.0 M, NaCl buffer, 0.30 Sodium citrate |
| Composition 2x | 0.30 M NaCl buffer 0.03 M Sodium citrate |
| Volume | 100 ml and 1000 ml |
| pH | 7.0 ± 0.05 at 25°C |
| Shelf life | Three years after production date |

Shipping and storage

SSC buffer is shipped at room temperature. Store the tablets and pouches in a dry place at room temperature. Shelf life is three years.

Certifications

Medicago's laboratories and manufacturing site in Uppsala is ISO 9001:2015 certified. Each stage of the manufacturing process is controlled and monitored by stringent quality control procedures to guarantee the highest possible quality and lot-to-lot reproducibility.



Ordering information

| Article no. | Product name | Pack size | Solution vol. |
|-------------|-----------------------|-----------|---------------|
| 12-9195-5 | SSC buffer 20x pH 7.0 | 5 pouches | 1000 ml/pouch |
| 12-9196-5 | SSC buffer 2x pH 7.0 | 5 pouches | 1000 ml/pouch |