



## 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, 0.030 M sodium chloride buffer or 1000 ml of 3.0 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 sodium citrate, 0.30 NaCl buffer     |
| Composition 2x  | 0.30 M sodium citrate, 0.030 M NaCl buffer |
| 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 are ISO 9001:2008 and ISO 13485:2003 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. |
|-------------|-----------------------|-----------|---------------|
| 0E6EJ FJ1 E | SSC buffer 20x pH 7.0 | 5 pouches | 1000 ml/pouch |
| 0E6EJ FJ1 E | SSC buffer 2x pH 7.0  | 5 pouches | 1000 ml/pouch |