

# SMARTBUFFERS

## Buffered Sodium Citrate 3.2 %, 0.109 M



### Features

- Formulated from analytical grade reagents
- Exactly pre-weighed in pouches
- Dissolve and use in minutes
- Ideal for blood storage
- Guaranteed reproducibility

### Product description

Buffered Sodium Citrate is used in clinical laboratories and blood banks as an effective anti-coagulant, usually in a ratio of 1:9 sodium citrate/blood. The citrate ion chelates calcium ions in the blood by forming calcium citrate complexes and disrupting the blood clotting mechanism.

Medicago's Buffered Sodium Citrate is supplied at two sizes with pouches giving 100 ml or 1000 ml of 3.2 %, 0.109 M buffered sodium citrate solution.

### Applications

- Clinical laboratory procedures
- Anti-coagulant reagent
- Preservation of blood in blood banks
- In venous blood collection tubes

### Directions for use

Empty one powder pouch 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 or 1000 ml, stir until full dissolution and the buffer is ready to use.

### Shipping and storage

Buffered Sodium Citrate is shipped at room temperature. Store the pouches in a dry place at room temperature. Shelf life is three years. Solutions can be stored at room temperature or at +4°C for two months.

### Specifications

Chemicals	Analytical grade
Format	Exactly pre-weighed powder mix
Concentration	3.2 % 0.109 M buffered sodium citrate
Volume	100 ml and 1000 ml
Shelf life	Three years after production date

### Tips and hints

- If content in pouch is not properly dissolved, make sure:
- the water temperature is 25°C (do not exceed this temperature)
  - the buffer is properly stirred.

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

### 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.
12-8480-10	Buffered Sodium Citrate 3.2 %	10 pouches	100 ml/pouch
12-8483-5	Buffered Sodium Citrate 3.2 %	5 pouches	1000 ml/pouch