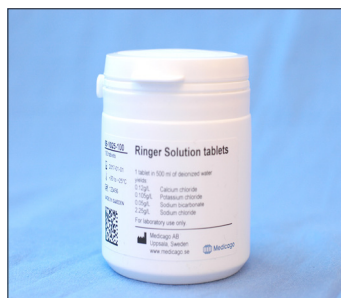


# SMARTBUFFERS

## Ringer Solution tablets



### Features

- Isotonic, non-toxic buffer
- Guaranteed reproducibility
- Ready to use in minutes
- Save space in stock rooms

### Product description

Ringer solution maintains the osmotic balance for bacteria. It is used for the preparation of suspension of samples and other biological matter in dilution techniques for enumeration. It is also used in the microbial control of apparatus by the rinse and swab method.

Medicago's Ringer solution is supplied as pre-weighed tablets in bottles. One tablet yields 500 ml of buffer solution in the composition:

1 x solution; 2.25 g/L Sodium chloride, 0.105 g/L Potassium chloride, 0.12 g/L Calcium chloride and, 0.05 g/L Sodium bicarbonate.

### Applications

- Isotonic sample diluent
- Rinse solution for microbial control, the rinse and swab method
- Suspension of solid food and other specimens
- Diluent for pure bacteria colonies

### Directions for use

Dissolve one tablet in 500 ml of deionized water. Stir until full dissolution and sterilize by autoclaving at 121°C for 15 minutes if needed.

### Shipping and storage

Ringer solution is shipped at room temperature. Store the tablets in a dry place at room temperature. Shelf life is three years.

### Tips and hints

If the tablet is not properly dissolved, make sure:

- the water temperature is 22-25°C
- the buffer is properly stirred
- high quality deionized water is used

Sterilization can be performed by filtration or autoclaving. Filter the buffer solution into a sterile flask through a 0.22 µm filter.

### Specifications

### Ringer solution (09-1025)

Chemicals

Format

Composition

Volume

Shelf life

Analytical grade

Exactly pre-weighed powder mix

2.25 g/L NaCl

0.105 g/L KCl

0.12 g/L CaCl<sub>2</sub> \* 2H<sub>2</sub>O

0.05 g/L NaHCO<sub>3</sub>

500 ml

Three years after production date



### Certifications

Medicago's laboratories and manufacturing site in Uppsala are ISO 9001:2008 and ISO 13485:2012 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.
09-1025-100	Ringer solution tablets	100 tablets	500 ml/tablet