

## Carbonate-bicarbonate Coating Buffer, pH 9.6



### Features

- Formulated from analytical grade reagents
- Pre-set pH
- Exactly pre-weighed tablets
- Supplied with or without sodium azide as preservative
- Dissolve and use in minutes

### Product description

Carbonate bi-carbonate buffer is used as coating buffer on plates or tubes. Medicago's Carbonate bi-carbonate buffer is specifically developed for protein-coating procedures on microtiter plates and plastic tubes for RIA and EIA techniques. The buffer is supplied in two formulations, one of which contains 0.05 % sodium azide as preservative.

The buffer is supplied as exactly pre-weighed tablets giving 100 ml of 0.05 M sodium carbonate-bicarbonate buffer with pH 9.6 at 25 °C when dissolved in deionized water.

### Applications

- Protein coating on microtiter plates and plastic tubes.

### Directions for use

Deposit one tablet in a laboratory flask or beaker placed on a magnetic stirrer. Add 50 ml of deionized water and stir the solution for a few minutes. Adjust the water up to 100 ml, stir until full dissolution and the buffer is ready to use.

### Tips and hints

If tablet 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. Filtrate the buffer solution through a 0.22 µm filter into a sterile flask. Keep the buffer solution at +4°C.

### Specifications

Chemicals	Analytical grade
Format	Exactly pre-weighed tablets
Concentration	0.050 M sodium carbonate-bicarbonate buffer, pH 9.6 at 25°C
Volume	100 ml
pH	9.6 ± 0.05 at 25°C
Shelf life	Three years after production date

### Shipping and storage

Carbonate-bicarbonate buffer is shipped at room temperature. Store tablets 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.
A09-8932-50	Carbonate-bicarbonate buffer, pH 9.6 with azide	50 tablets	100 ml/tablet
A09-8932-8	Carbonate-bicarbonate buffer, pH 9.6 with azide	8 tablets*	100 ml/tablet
A09-8922-100	Carbonate-bicarbonate buffer, pH 9.6	100 tablets	100 ml/tablet
A09-8922-24	Carbonate-bicarbonate buffer, pH 9.6	24 tablets*	100 ml/tablet
A09-8922-8	Carbonate-bicarbonate buffer, pH 9.6	8 tablets*	100 ml/tablet

\*Blister pack