

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