



SMARTBUFFERS

Glycine-HCl buffer, pH 3.0



Features

- Formulated from analytical grade reagents
- Pre-set pH
- Exactly pre-weighed in pouches
- Dissolve and use in minutes
- Ideal for standardizing laboratory work

Product description

Medicago's Glycine-HCl buffer can be used for reactions when pH must be maintained at 3.0. The buffer can be used as elution buffer in affinity chromatography (1) for example antibodies from Protein A (2) and lectins.

Glycine-HCl is supplied as a powder mix in pouches giving 1000 ml of 0.1 M glycine-HCl with pH 3.0 at 25°C when dissolved in deionized water.

Directions for use

Empty one pouch of the glycine-HCl buffer in a laboratory flask or beaker placed on a magnetic stirrer. Add 300 ml of deionized water and stir the solution for a few minutes. Adjust the volume up to 1000 ml, stir until full dissolution and the buffer solution is ready to use.

Applications

- Elution buffer for chromatography procedures
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Shipping and storage

Glycine-HCl buffer is shipped at room temperature. Store the pouches in a dry place at room temperature. Shelf life is three years.

Specifications

| | |
|---------------|-----------------------------------|
| Chemicals | Analytical grade |
| Format | Exactly pre-weighed powder mix |
| Concentration | 0.1 M glycine-HCl |
| Volume | 1000 ml |
| pH | 3.0 ± 0.05 at 25°C |
| Shelf life | Three years after production date |

Tips and hints

If 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. Filtrate the buffer solution through a 0.22 µm filter into a sterile flask. Keep the buffer solution 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. |
|-------------|---------------------------|------------|---------------|
| 12-9121-10 | Glycine-HCl buffer pH 3.0 | 10 pouches | 1000 ml/pouch |

References

1. Isolation and properties of three lectins from mistletoe (*Viscum album L.*) 1981. Franz, P Ziska, A Kindt - *Biochemical Journal*, 195(2): 481–484.