



SMART REAGENTS

Urea Reagent 5 M and 8 M



Features

- Formulated from analytical grade reagent
- Choice of two concentrations
- Reproducibility from lot to lot
- Exactly pre-weighed powder in pouches
- Dissolve and use in minutes

Product description

Urea (carbamide) is an organic compound with the chemical formula $(\text{NH}_2)_2\text{CO}$ extensively used in proteomics and molecular biology. Medicago's Urea reagent is supplied as pre-weighed powder in sealed pouches, giving 100 ml of 5 M (30% w/v) or 8 M urea.

Applications

- Denaturing proteins
- Protein refolding
- 2D-PAGE
- Sequencing methods

Directions for use

Dissolve the entire content of one pouch in deionized water using a magnetic stirrer and add deionized water to bring the total volume up to 100 ml. Once fully dissolved, the solution is ready to use.

Shipping and storage

The urea reagent 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
Volume	100 ml
Shelf life	Five years after production date

Tips and hints

If the contents of the pouch is not properly dissolved, make sure:

- the water temperature is 20-25°C
- the solution is properly stirred.

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.
12-8481-5	Urea, 5 M	5 pouches	100 ml/pouch
12-8484-5	Urea, 8 M	5 pouches	100 ml/pouch