

# 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