

## Urea Solution (8M)

(Cat# C8045; ready-to-use buffer; store at RT)

### Introduction

Urea is commonly used for sample preparation prior to electrophoretic methods such as isoelectric focusing (IEF), SDS polyacrylamide gel electrophoresis (SDS-PAGE) and two-dimensional electrophoresis (2DE). Urea is a chaotropic agent useful for the solubilization and denaturation of proteins.

ABSbio<sup>TM</sup> ready-to-use Urea Solution is formulated 8 M colorless solution for biological research. The buffers can be diluted to the desired concentration and used in molecular biology or general biochemistry applications. DNase-, RNase-, phosphatase and Protease-Free.

### Kit Components

Urea Solution: 100 mL Multiple size are available: 500-1000 mL

**Storage and Handling:** Store at RT. Shelf Life: 6 months after receipt.

### Features for All of Solution & Buffers

Formulated from analytical grade chemicals.

Ideal for standardizing laboratory work.

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.

### Applications

- Molecular Biology and Biochemistry: denaturing fusion protein; solubilization of inclusion bodies; denaturing proteins; SDS-PAGE gel electrophoresis.
- Tissue culture to increase the osmolality.

### Protocol

The buffer is filtered with 0.22 µm filter in sterile condition and it is ready to use.

To prevent carbamylation, do not heat urea containing buffers > 37 °C.

### Related Products:

TMB substrate solution(#C8010)	ELISA Blocking Buffer(5x 25mL; #C8002)
ELISA Washing Buffer(20x, 25mL; #C8003)	Antibody Dilution Buffer(#C8004)
Protein Loading Buffer(6x ; #C8005)	SDS-PAGE Running Buffer(10x ; #C8006)
Phosphate Buffered Saline (10x PBS, #C8007)	Phosphate Buffered Saline with Tween 20(10x PBS-T; #C8008)
Phosphate Buffered Saline(1xDPBS, #C8012)	PAGE-gel transfer buffer(10x, #C8014)
TAE Buffer(10x, #C8015)	TBE Buffer(10x, #C8016)
RIPA Buffer(#C8017)	Cell Lysis Buffer(#C8019)
TE Buffer(#C8020)	DNA Loading Buffer(#C8021)
TBST Buffer(#C8024)	TBST Blocking Buffer(#C8025)
Tris-Buffer(1 M pH 7.5, #C8027)	Tris-Buffer(1 M pH 8.0, #C8026)
HEPES Buffer(1 M pH 7.4, #C8028)	Ammonium Sulfate Solution (4 M pH 7.0 #C8043)