

# PRODUCT INFORMATION



## Urea Broth

Cat. No. U21-102B

Date of Issue:  
12/01/15

### DESCRIPTION

Urea Broth Base is used for differentiating Enterobacteriaceae, especially Proteus, based on urease activity.

### PREPARATION

Mix 39.6 grams of the medium in one liter of purified water until evenly dispersed. Heat with repeated stirring to dissolve completely. Sterilize by filtration. DO NOT BOIL OR AUTOCLAVE.

#### Formula\* per Liter:

Yeast Extract .....	1.0g
Dipotassium Phosphate.....	9.5g
Monopotassium Phosphate .....	9.1g
Urea.....	2.0g
Phenol Red.....	0.01g

**Final pH:** 6.8 ± 0.2 at 25°C

\* Grams per liter may be adjusted or formula supplemented to obtain desired performance.

### QUALITY CONTROL SPECIFICATIONS

1. The powder is homogeneous, free flowing with soft lumps and pale orange to pink.
2. Visually the prepared medium is brilliant to clear and pale to light yellow orange.
3. Expected cultural response after 8-48 hours at 35°C.

#### Organism:

*Enterobacter aerogenes* ATCC 13048  
*Escherichia coli* ATCC 25922  
*Proteus vulgaris* ATCC 13315  
*Salmonella typhimurium* ATCC 14028

#### Result:

Negative  
Negative  
Positive (pink)  
Negative

### STORAGE

Store the sealed bottle containing the dehydrated medium at 2 to 30°C. Once opened and recapped, place the container in a low humidity environment at the same storage temperature. Protect it from moisture and light. The dehydrated medium should be discarded if it is not free flowing or if the color has changed from the original color.