

Technical Data Sheet

Product: UREA 40% SOLUTION

Specification

Steril additive for the ureasa test in microbiology.

Presentation

1 Prepared bottle	Packaging Details	Shelf Life	Storage
Bottle 125 ml	1 box with 1 bottle 125 ml. Injectable cap: Plastic	24 months	8-14°C
with: 100 ± 3 ml	screw inner cap. The use of syringes needles with a		
	diameter areater than 0.8 mm is not recommended.		

Composition

Composition (g/l):	
Urea	400
Distilled water	1000 ml

Description /Technique

Aqueous urea solution 40%, sterilized by filtration and suitable to be used as an additive in culture media. It is supplied to be used with the dehydrated media Urea Agar according to Christensen and Urea Broth. It must be added to these media after the sterilization and with the media cooled to 50-55°C. Once it is added, do not reheat the media because urea is thermolabile and heating allows to its break down and ammonium liberation.

Quality control

Physical/Chemical control

Color : Colourless

pH: at 25°C

Microbiological control

Add supplement to functionality - into medium Urea Agar base

Aerobiosis. Incubation at 37 °C±1, reading after 24-48±2h

Microorganism Escherichia coli ATCC[®] 25922, WDCM 00013 **Urea Negative** Proteus mirabilis ATCC[®] 43071 **Urea Postive Sterility Control**

Incubation 48 hours at 30-35°C and 48 hours at 20-25°C: NO GROWTH Check at 7 days after incubation in same conditions

Bibliography

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Growth