



Urea Agar Base (Christensen's Urea Agar Base)

Urea Agar Base is used with agar for the differentiation of microorganisms on the basis of urease production in a laboratory setting. Urea Agar Base is not intended for use in the diagnosis of disease or other conditions in humans.

Christensen devised a urea agar medium containing peptone and dextrose that had a reduced buffer content. The medium supported the vigorous growth of many Gram-negative, enteric bacilli and readily permitted observation of urease production. Urea Agar Base may be used as a screening medium (along with Triple Sugar Iron Agar) for the selection of *Salmonella* and *Shigella* cultures for serologic classification. Urea Agar Base is also used to detect production of urease by yeast. Urease production is an important differential test in microbiology and outlined in standard methods.

Formula	Liter
Enzymatic Digest of Gelatin	1.0 g/L
Dextrose	1.0 g/L
Sodium Chloride	5.0 g/L
Monopotassium Phosphate	2.0 g/L
Urea	20.0 g/L
Phenol Red	0.012 g/L

Final pH: 6.8 ± 0.2 at 25°C

Formula may be adjusted and/or supplemented as required to meet performance specifications.

Preparation

1. Suspend 29 g of the medium in 100 mL of purified water until dissolved completely. Filter sterilize.
2. Suspend 15 g of Agar No. 1 Bacteriological (NCM0236) in 900 mL of purified water.
3. Heat with frequent agitation and boil for one minute to completely dissolve the medium.
4. Autoclave at 121°C for 15 minutes.
5. Cool sterilized agar to 45 - 50°C and aseptically add the sterile Urea Agar Base.
6. Mix thoroughly and dispense into sterile tubes. Place tubes in a slanted position.

Product was previously known as Acumedia Product: 7226 Urea Agar Base; and LabM Product: LAB130 Urea Agar Base

Order Details

Product #	Product Description
NCM0180A	Urea Agar Base (Christensen's Urea Agar Base), 500 g
NCM0180B	Urea Agar Base (Christensen's Urea Agar Base), 5 kg

NCM0180C	Urea Agar Base (Christensen's Urea Agar Base), 10 kg
NCM0180D	Urea Agar Base (Christensen's Urea Agar Base), 25 kg (European only size)
NCM0180E	Urea Agar Base (Christensen's Urea Agar Base), 50 kg (US only size)

Reference Material

7226 - Urea Agar Base, Christensen's, Safety Data Sheet [[Danish](#)] [[Dutch](#)] [[English](#)] [[EU English](#)] [[Finnish](#)] [[French](#)] [[German](#)] [[Italian](#)] [[Spanish, Mexico](#)] [[Swedish](#)]

For additional information or questions about product SDS documents, please contact Neogen at SDS@neogen.com.

Please check with your local representative for availability of these products within your region.

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