



Urea Agar Base, Christensen 100 g / 500 g

Used for the detection of urease positive microbes from clinical and environmental samples.

Product Presentation:

Cat No.	Product description	Pack Size
11210010100	Urea Agar Base, Christensen	100 Gram
11210010500	Urea Agar Base, Christensen	500 Gram

Principle

Peptone is the source of essential nutrients. Dextrose is the energy source. Sodium chloride maintains the osmotic equilibrium of the medium whereas phosphates serve to buffer the medium. Urea is hydrolyzed to liberate ammonia. Phenol red indicator detects the alkalinity generated by visible colour change from orange to pink.

Composition

Ingredients

	Grams / Litre
Peptone	1.00
Dextrose	1.00
Sodium Chloride	5.00
Monobasic Potassium Phosphate	2.00
Phenol Red	0.012
Agar	15.00

Final pH (at 25°C) 6.8 ±0.2

*Formula adjusted, standardized to suit performance parameters

Type of specimen

Pharmaceutical samples, Clinical Non-clinical samples.

Specimen Collection and Handling

Ensure that all samples are properly labeled. Follow appropriate techniques for handling samples as per established guidelines. Some samples may require special handling, such as immediate refrigeration or protection from light, follow the standard procedure. The samples must be stored and tested within the permissible time duration. After use, contaminated materials must be sterilized by autoclaving before discarding.

Directions

- ✓ Suspend 24.00 g of powder in 950 mL distilled water.
- ✓ Mix thoroughly.
- ✓ Boil to dissolve the medium completely.
- ✓ Sterilize by autoclaving 121°C for 15 minutes or as per validated cycle.
- ✓ Cool it to 42-45°C add 50 mL of sterile 40% urea mix well dispense as desire.

FACTORY & OFFICE

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Storage and Stability

- ✓ Store Dehydrated culture media in cool, dry place at 10°C-30°C away from direct light.
- ✓ Store prepared medium at 2°C-8°C. Avoid freezing and overheating. Use before expiry date on the label. Once opened keep powdered medium closed to avoid hydration.

Quality Control

Dehydrated Appearance: Light Orange red coloured homogeneous, free flowing powder

Prepared Appearance: Yellow orange coloured, slightly opalescent gel.

Cultural Response: Cultural characteristics observed at at 35°C-37°C for 18-24 hours.

Organisms	Type Culture	Growth	Urease Test
Escheriachia Coli	ATCC 8739	Good	Negative Reaction
Klebsiella aerogenes	ATCC 13048	Good	Positive Reaction

Interpretation of Results

- ✓ Examination of plates/ slants for growth after completion of incubation period.

Warranty

- ✓ This product is designed to perform as described on the label and package insert. The manufacturer disclaims any implied warranty of use and sale for any other purpose.

Disposal

Disposal of infectious material and material that comes in to contact with clinical sample must be decontaminated and dispose of by autoclaving or incineration or established laboratory procedures.

User must be ensure safe disposal of used or unusable preparation of the products.

Reference

- ✓ Christensen WB; 1946, J. Bact; Vol. 52:461.
- ✓ US Food and Drug Adm; 1998, Bacteriological Analytical Manual, 8th Ed; Rev. A, AOAC, International, Gaithersburg, Md.

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