



DESCRIPTION

Urea 40% is targeted to the detection of motility, urease and indole production in the culture media.

PRINCIPLES OF THE PROCEDURE

The utilization of urea by microorganisms provided of urease causes the alkalinization of medium and consequently the color turning of indicator red phenol from amber to pink color.

APPLIED IN MEDIUM

TM 394	UREA AGAR BASE (CHRISTENSEN) (AUTOCLAVABLE)
TM 1113	UREA AGAR BASE (CHRISTENSEN)
TM 781	MIU MEDIUM BASE
TM 925	YERSINIA IDENTIFICATION BROTH BASE.

COMPOSITION

Ingredients	Concentration
Urea	2.00gm

INSTRUCTIONS FOR USE

1. Bring the Urea40% Supplement vial to room temperature and aseptically add 5ml of sterile distilled water.
2. Mix well and aseptically add to 95ml sterile molten medium and dispense as desired.
3. Use the medium as according to the manufacturer's recommendation.

MICROBIOLOGICAL PARAMETERS (GROWTH PROMOTION TEST)

Culture characteristics observed on UREA AGAR BASE (CHRISTENSEN) (AUTOCLAVABLE) (TM 394) for incubation period of 18 - 48 hours at 35 ± 2°C, w/ added Urea 40% (TS 030).

Microorganisms	ATCC	Inoculum (CFU)	Growth	Urease production
<i>Proteus vulgaris</i>	13315	50-100	Luxuriant	Positive, cerise colour
<i>Klebsiella pneumoniae</i>	13883	50-100	Luxuriant	Positive, cerise colour
<i>Salmonella typhimurium</i>	14028	50-100	Luxuriant	Negative, no change
<i>Escherichia coli</i>	25922	50-100	Luxuriant	Negative, no change



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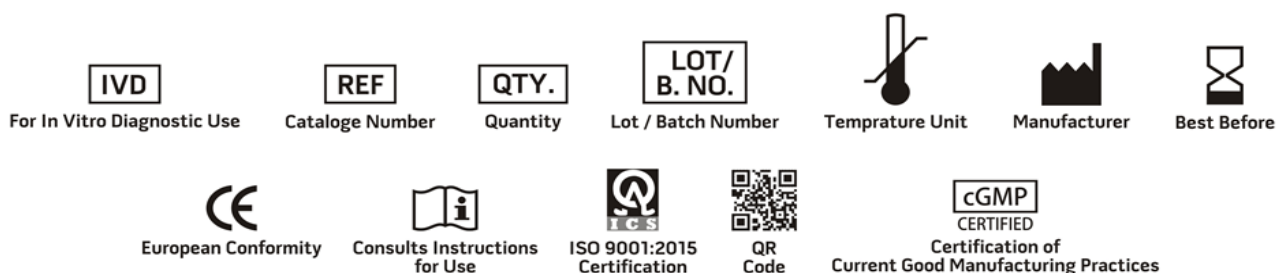
PRODUCT DATA SHEET

STORAGE AND STABILITY

Store the supplement vials at 2-8°C in its original packaging. If opened and not completely utilized, be certain that aseptic dispensing procedures are followed to maintain sterility. Protect from contamination by keeping container tightly closed

EXPIRATION

Do not use the material after the expiry period mentioned on the label. Expiry applies in its intact container when stored as directed. Eliminate without using if any signs of deterioration are observed.



NOTE: Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.