

**OXOID QUALITY ASSURANCE
PRODUCT SPECIFICATION****UREA 40%****SR0020K****Description**

A solution for addition to culture media.

Directions

Suspend 2.4g of Urea Agar Base (CM0053) in 95ml of distilled water. Bring to the boil to dissolve completely. Sterilize by autoclaving at 115°C for 20 minutes. Cool to 50°C and aseptically add one vial of sterile Urea 40% Solution (SR0020K). Mix well, aseptically dispense 10ml amounts into sterile containers and allow to set in the slope position.

Physical Characteristics

Colourless liquid
Clarity - clear
Deposit - nil
Volume - 5.0ml

Microbiological Tests Using Optimum Inoculum Dilution

Inoculate slopes of the medium with the test organisms.

Medium is challenged with 1E+04 to 1E+06 colony-forming units

Reactions after incubation at 30°C for 6 hours

<i>Morganella morganii</i>	ATCC® 25830	Weak urease +ve, pale pink slope, or negative
<i>Proteus mirabilis</i>	ATCC® 29906	Urease +ve, pink slope

Reactions after incubation at 30°C for 24 hours

<i>Morganella morganii</i>	ATCC® 25830	Urease +ve, pink slope
<i>Klebsiella pneumoniae</i>	ATCC® 13883	Weak urease +ve, pale pink slope
<i>Shigella sonnei</i>	ATCC® 25931	Urease -ve, no colour change
<i>Enterobacter aerogenes</i>	ATCC® 13048	Urease -ve, no colour change
<i>Escherichia coli</i>	ATCC® 25922	Urease -ve, no colour change
<i>Escherichia coli</i>	ATCC® 11775	Urease -ve, no colour change
<i>Salmonella nottingham</i>	NCTC 7832	Urease -ve, no colour change

Reactions after incubation at 30°C for up to 72 hours

<i>Candida albicans</i>	ATCC® 10231	Urease -ve, no colour change
<i>Cryptococcus albidus</i>	ATCC® 34140	Weak urease +ve, pink slope

A satisfactory result is represented by reactions in accordance with the specification.