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Certificate of analysis

Name:	UREA AGAR
	for diagnostics purpose
Code Number:	URD20500
Lot:	URD071217029
Manufacture Date:	12/2017
Expiry Date:	12/2020

Dehydrated Media:	
Appearance - agar base:	Pinkish, homogeneous hygroscopic powder
Appearance - urea:	White pellet

Prepared Medium:	
Directions:	32 g/l agar base + 10 g/l urea
Clarity:	Transparent
Deposit:	None
Gel strength	Correct
pH before autoclaving:	6,5 at 20 °C
pH after autoclaving:	7,0 at 20 °C
Sterilization:	By autoclaving at 115 °C for 15 minutes
Remarks:	-

Microbiological assay:	
Incubation temperature:	37 °C
Incubation time:	24 h

Quality control	
Test strains	Growth
<i>Proteus mirabilis</i>	Positive: pink-red coloration
<i>Escherichia coli</i>	Negative: no colour change

This product has been tested by Quality Control Laboratory and conforms to the specification contained in the relevant catalogue or to the specification agreed with the customer. This product was manufactured by Biolab Inc.

Hereby we declare:

Under our sole responsibility, that the above mentioned devices meet the applicable provisions of the Directive 98/79/EC on „In Vitro Diagnostic Medical Devices”. All the supporting documents, as required by Annex III of the 98/79/EC Directive, in order to prove conformity to the Essential Requirements as listed in Annex I, are retained under the premises of the Manufacturer.

This certificate was issued electronically and is valid without signature.

UREA AGAR

A differential medium for the differentiation of bacteria on the basis of their urease activity.



Dehydrated media	
Code number:	500 g: URD20500 packaging: 380 g agar base + 120 g urea 5 kg: URD25000 packaging: 3,8 kg agar base + 1,2 kg urea
Appearance of agar base:	Pinkish, homogeneous hygroscopic powder
Appearance of urea:	White pellet
pH before autoclaving (25 °C):	6,4 – 6,6
pH after autoclaving (25 °C):	6,6 – 7,0

Direction: Suspend **32 g agar base** and **10 g urea** in one litre of distilled water and heat with frequent agitation until the medium boils well. Dispense into test tubes and sterilise by autoclaving at 115 °C for 15 minutes. Cool quickly! Allow to cool in slanted position.

Warning!

The medium is heat sensitive.
No further sterilisation is necessary or desirable.

Prepared media	
Bottled media:	100 ml: URD30100, 500 ml: URD30500
Tubed media:	100 x 15 mm: URD40005 (5 ml - slant)
Colour:	Orange
pH (25 °C):	6,6 – 7,0

Direction: Dispense the melted bottled media aseptically into sterile test tubes. Allow to cool in slanted position. Media in tubes are ready to use.

FORMULA OF COMPLETE MEDIUM in g/l

Peptones	1,000
Glucose	1,000
Sodium chloride	5,000
Urea	20,000
Phenol red	0,012
Buffers	2,000
Agar	13,000

Note: The typical formula can be adjusted to obtain optimal performance.

Storage conditions: Store the dehydrated media and the urea tightly closed in a dry place at room temperature. Store the bottled media protected from light at room temperature. Store the tubed media protected from light at 2-8 °C. Use before the expiry date on the label.

Quality control:

Test strains	Incubation temp: 37 °C	Reactions	Incubation time: 24 h
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<i>Proteus mirabilis</i> ATCC 29906	Positive: colour change to purple - red
<i>Escherichia coli</i> ATCC 25922	Negative: without colour change

References: Christensen (1946) J. Bact. 52: 461.