

## UREA INDOLE BROTH

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

<b>Dehydrated media</b>	
Code number:	500 g: URI20500 packaging: 325 g broth base + 175 g urea 5 kg: URI25000 packaging: 3,25 kg broth base + 1,75 kg urea
Appearance of both 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 **19 g broth base** and **10 g urea** in one litre of distilled water and heat gently to dissolve the medium completely. Dispense into test tubes and sterilise by autoclaving at 115 °C for 15 minutes. Cool quickly!

### Warning!

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

<b>Prepared media</b>	
Bottled media:	100 ml: URI30100, 500 ml: URI30500
Tubed media:	100 x 12 mm: URI40002 (2 ml)
Colour:	Orange
pH (25 °C):	6,6 – 7,0

**Direction:** Dispense the bottled media aseptically into sterile test tubes. Media in tubes are ready to use.

### FORMULA OF COMPLETE MEDIUM in g/l

Peptones	10,000
Sodium chloride	5,000
Urea	10,000
Phenol red	0,012
Buffers	4,000

**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 and 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	
		Urease	Indole
<i>Proteus mirabilis</i>	ATCC 29906	Quick +	-
<i>Klebsiella pneumoniae</i>	ATCC 16404	Slow +	-
<i>Escherichia coli</i>	ATCC 25922	-	+

**References:** Roland et al. (1947) Ann. Inst. Pasteur 73: 914.

**In vitro diagnostic – for professional use only!**