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<b>OXOID QUALITY ASSURANCE PRODUCT SPECIFICATION</b>		
<b>ENDO AGAR BASE CM0479</b>		

## ENDO AGAR BASE

CM0479

### Typical Formula\*

Peptone	grams per litre	10.0
Lactose		10.0
Potassium phosphate		3.5
Sodium sulphite		2.5
Agar		10.0

\* adjusted as required to meet performance standards

### Directions

Suspend 36g in 1 litre of distilled water. Add 6ml of a 10% w/v alcoholic solution of basic fuchsin BR0050 (50:50 Ethanol:distilled water). Bring to the boil to dissolve completely. Sterilize by autoclaving at 121°C for 15 minutes. Mix well before pouring. BASIC FUCHSIN IS A POTENTIAL CARCINOGEN AND CARE SHOULD BE TAKEN TO AVOID INHALATION OF THE POWDERED DYE AND CONTAMINATION OF THE SKIN. Plates should be stored in the dark to preserve their pale pink colour.

### Physical Characteristics

Straw, free-flowing powder  
 Colour on reconstitution – straw 2-3  
 Moisture level – less than or equal to 7%  
 pH - 7.5 ± 0.2 at 25°C  
 Clarity - clear  
 Gel strength - firm, comparable to 10.0 g/litre of agar

### Microbiological Tests Using Optimum Inoculum Dilution

Tested with the addition of 0.6% v/v of a 10% w/v solution of basic fuchsin

### Reactions after incubation at 37°C for 18 hours

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

<i>Escherichia coli</i>	ATCC®25922	0.5-2mm red colonies & medium, golden sheen
<i>Escherichia coli</i>	ATCC®11775	0.5-2mm red colonies & medium, golden sheen
<i>Enterobacter aerogenes</i>	ATCC®13048	0.5-2mm pink/red mucoid colonies, no sheen
<i>Pseudomonas aeruginosa</i>	ATCC®27853	0.5-2mm pink colonies, no sheen
<i>Salmonella typhimurium</i>	ATCC®14028	0.5-2mm pink colonies, no sheen
<i>Proteus mirabilis</i>	ATCC®12453	Pinpoint-1mm pink colonies, no sheen
<i>Staphylococcus aureus</i>	ATCC®25923	No growth

A satisfactory result is represented by a growth and reactions in accordance with the specification. Negative strains are inhibited.

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### Revision History

Section / Step	Description of Change	Reason for Change	Reference
Entire Document	Update to new document format and correction of typographical/minor errors. Addition of results criteria.	Change control	BT-CC-1924