

TECHNICAL DATA SHEET

PP3056 – COLOREX MRSA

1. PRODUCT / SUPPLIER IDENTIFICATION:

PRODUCT NAME:	COLOREX MRSA	Sales Contact:	01324 840404, ext. 201
CODE No.:	PP3056	E-Mail:	sales@eolabs.com
SUPPLIER:	E&O Laboratories Limited	Quality Assurance:	01324 840404, ext. 206
ADDRESS:	Burnhouse Bonnybridge Scotland United Kingdom.	E-Mail:	quality@eolabs.com
POST CODE:	FK4 2HH		
TELEPHONE:	+ 44 (0) 1324 840404		
FAX:	+ 44 (0) 1324 841314		
E-MAIL:	info@eolabs.com		
WEBSITE:	www.eolabs.com		

2. PRESENTATION:

Container	Volume
P090 - 90mm Petri Dish - Triple vented	18-22ml

3. STORAGE AND SHELF LIFE:

2 - 8°C

42 Days

4. COMPOSITION / INFORMATION ON INGREDIENTS:

COLOREX MRSA

Formula	gm/litre
Peptone	40.0
Salts	25.0
Agar	15.0
Chromogenic mix	2.4
Additives	
Selective supplement	1.1ml/L

5. PRINCIPLE & INTENDED USE:

Colorex MRSA is a chromogenic medium for the selective isolation of Methicillin-Resistant *Staphylococcus aureus* (MRSA). The medium can be used for the routine screening of clinical specimens for MRSA from a variety of sampling sites such as the nose, throat and groin.

The medium incorporates a nutritious peptone base medium and a number of selective agents to inhibit most Gram-negative and Gram-positive bacteria as well as yeasts and moulds. The chromogenic detection of specific enzyme activity leads to the formation of pink/mauve colonies indicating MRSA (including low level resistant and hetero-resistant strains) following incubation at 37°C for 18-24 hours. Other organisms, if present are indicated by blue or colourless colonies.

Any presumptive isolates must be confirmed using serological and/or biochemical techniques available to the laboratory. The use of this chromogenic medium does not diminish the requirement for conventional antimicrobial susceptibility tests for the confirmation of methicillin resistance.

Limitations

1. *S.aureus* strains that possess a low MIC to the selective agent present in the medium but are *mec A* negative may form colonies on the medium.
 2. Some MRSA strains may form typical colonies surrounded by a matte halo. The formation of the halo serves no diagnostic function.
 3. Certain methicillin-resistant coagulase-negative staphylococci (CNS) may produce characteristic colonies. In some cases differentiation may be achieved by examination of the colour of these colonies, as they may be considerably darker in colour (bluish purple to a very dark pink/magenta)
 4. Certain bacterial species other than staphylococci may produce colonies with a characteristic colour.
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6. USAGE PRECAUTIONS:

All E&O products are for *in vitro* use only. E&O products are intended only for use by qualified professionals who will safely handle and dispose of products they receive. All biologically derived materials (e.g. blood, sera) should be handled as if a potential biohazard. E&O media that contain antibiotics should be handled with care. Chemical resistant gloves, eye protection and laboratory coat should be worn.

7. PHYSICAL AND CHEMICAL PROPERTIES:

APPEARANCE:	Firm Gel
COLOUR:	Straw
pH:	6.9 ± 0.2

8. QUALITY CONTROL METHODS AND TEST ORGANISMS:

Organisms	Ref. No.	Result
<i>Staphylococcus aureus</i> (MRSA)	NCTC 10442	Pink / mauve colonies
<i>Staphylococcus aureus</i>	NCTC 12981	Inhibited
<i>Staphylococcus epidermidis</i>	NCTC 13360	Inhibited
<i>Pseudomonas aeruginosa</i>	NCTC 12903	Inhibited

Recommended Incubation: - Aerobically at 37°C for 18 – 24 hours.

9. OTHER INFORMATION:

N/A

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TECHNICAL DATA SHEET

PP3001 – COLOREX ESBL MEDIUM

1. PRODUCT / SUPPLIER IDENTIFICATION :

PRODUCT NAME:	COLOREX ESBL MEDIUM	Sales Contact:	01324 840404, ext. 201
CODE No.:	PP3001	E-Mail:	sales@eolabs.com
SUPPLIER:	E&O Laboratories Limited	Quality Assurance:	01324 840404, ext. 206
ADDRESS:	Burnhouse Bonnybridge Scotland United Kingdom.	E-Mail:	quality@eolabs.com
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FAX:	+ 44 (0) 1324 841314		
E-MAIL:	info@eolabs.com		
WEBSITE:	www.eolabs.com		

2. PRESENTATION:

<u>Container</u>	<u>Volume</u>
P090 - 90mm Petri Dish - Triple vented	18 - 22ml

3. STORAGE AND SHELF LIFE:

2 - 8°C

42 Days

4. COMPOSITION / INFORMATION ON INGREDIENTS:

PP3001 COLOREX ESBL MEDIUM

Formula	gm/litre
Peptone & Yeast extract	17.0
Chromogenic mix	1.0
Agar	15.0
Selective supplement	0.57



5. PRINCIPLE & INTENDED USE:

Recent developments in culture media have given rise to the use of chromogenic substrates as a means of differentiating bacteria particularly among the Enterobacteriaceae. Colorex ESBL (Extended Spectrum Beta-Lactamase) medium has been developed for the isolation of ESBL – producing organisms with the aim of simplifying the differentiation and presumptive identification of the causative organism. It should be noted that other non-ESBL and *AmpC* isolates will be inhibited on this medium reducing the incidence of false positives.

The distinctive colonial colouration of the various species can reduce the need for additional follow up testing allowing many positive results to be issued within 24 hours of receipt of the sample. If necessary an Indole test for confirmation of *Escherichia coli* and TDA test for *Proteus spp.* can be performed directly from the medium.

Typical colour reactions are as follows –

- *Escherichia coli* – Red colonies
- *Proteus spp.*, *Providencia spp.* & *Morganella spp.* – Clear colonies with a brown halo
- *Klebsiella spp.*, *Enterobacter spp.*, *Serratia spp.* & *Citrobacter spp.* – Metallic blue colonies
- *Salmonella spp.* & *Acinetobacter spp.* – Clear colonies
- Gram +ve bacterial species and yeasts – Inhibited

6. USAGE PRECAUTIONS:

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7. PHYSICAL AND CHEMICAL PROPERTIES:

APPEARANCE:	Firm Gel
COLOUR:	Straw
pH:	7.0 ± 0.2

8. QUALITY CONTROL METHODS AND TEST ORGANISMS

Quality Control Organisms:

Organisms	Ref. No.	Result
<i>Escherichia coli</i>	WILD (ESBL 1)	Red colonies
<i>Klebsiella pneumoniae</i>	WILD (ESBL 12)	Metallic blue colonies
<i>Escherichia coli</i>	NCTC 12241	Inhibited
<i>Proteus mirabilis</i>	NCTC 10975	Inhibited
<i>Enterobacter aerogenes</i>	NCTC 10006	Inhibited

Incubation: Aerobically at 37°C for 18 – 24 hours



9. RELATED MEDIA:

PP3031 – Colorex CTX-M (ECC) Medium
PP3033 – Colorex KPC Medium
PP3036 – Colorex CTX-M Medium

10. OTHER INFORMATION:

N/A

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TECHNICAL DATA SHEET

PP3010 - CHROMAGAR CANDIDA

1. PRODUCT / SUPPLIER IDENTIFICATION :

PRODUCT NAME:	CHROMAGAR CANDIDA	Sales Contact:	01324 840404, ext. 201
CODE No.:	PP3010	E-Mail:	sales@eolabs.com
SUPPLIER:	E&O Laboratories Limited	Quality Assurance:	01324 840404, ext. 206
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FAX:	+ 44 (0) 1324 841314		
E-MAIL:	info@eolabs.com		
WEBSITE:	www.eolabs.com		

2. PRESENTATION:

<u>Container</u>	<u>Volume</u>
P090 - 90mm Petri Dish - Triple vented	18 - 22ml

3. STORAGE AND SHELF LIFE:

2 - 8°C

42 Days

4. COMPOSITION / INFORMATION ON INGREDIENTS:

CHROMAGAR CANDIDA (BBL)

Formula	gm/litre
Peptone	4.0
Chromogenic mixture	13.6
Agar	13.6
 Additives	
Chloramphenicol	500mg/per litre



5. PRINCIPLE & INTENDED USE:

Chromagar Candida is a selective medium that is primarily used for the isolation of yeasts and rapid identification of clinically important Candida species, based on differential pigment production..

6. PROCESS FLOW:

Suspend 31,2 g of Chromagar Candida in 1 litre of Deionised Water → Add 2 vials of Chromogenic Candida Sel. Supplement. Mix well and bring to boil. → Cool to 45°C → Dispense via sterile tubing into petri dishes → When set remove samples for Quality Control procedures → Inkjet as follows:-

‘CHROM^{CANDIDA PP3010}’, with batch number & expiry date.

7. USAGE PRECAUTIONS:

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8. PHYSICAL AND CHEMICAL PROPERTIES:

APPEARANCE:	Firm Gel
COLOUR:	Cream
P.H. :	6.0 ± 0.2

9. QUALITY CONTROL METHODS AND TEST ORGANISMS

Organisms	Ref. No.	Result
<i>C.Albicans</i>	ATCC 10231	Small green colonies
<i>C.krusei</i>	ATCC 6258	Irregular pink-brown colonies

Recommended Incubation: - Aerobically at 30C



10. RELATED MEDIA:

PP3070 Candida agar (Nickerson)

11. OTHER INFORMATION:

N/A

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