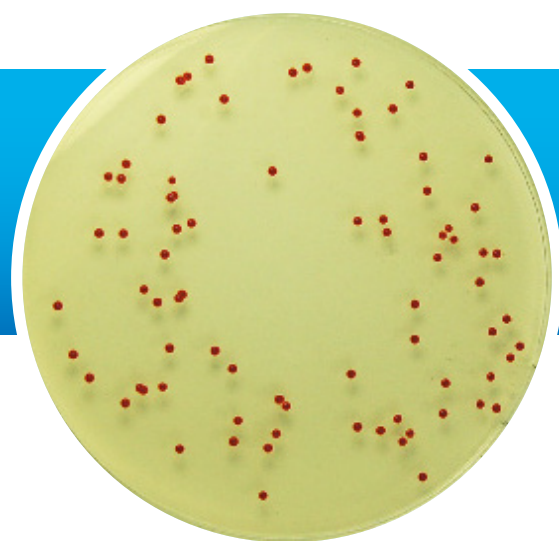


PP3052 COLOREX™ ACINETOBACTER MDR



Multidrug-resistant *Acinetobacter baumannii* (MDRAB) has emerged as a significant pathogen in healthcare facilities contributing to increased morbidity and mortality. *Acinetobacter* spp. have been previously associated with urinary tract and surgical site infections but *A.baumannii* has emerged as a leading cause of ventilator associated pneumonia and bacteraemia in intensive care patients.⁽¹⁾ In 2014, 17% of *A.baumannii* bacteraemia isolates were resistant to all of the tested antibiotics.⁽²⁾ Even with the implementation of strict cleaning regimens and patient isolation, many hospitals have reported the implication of MDRAB in nosocomial infections.⁽³⁾ A recent study found this medium to have very good sensitivity and specificity.⁽⁴⁾

Colorex™ Acinetobacter MDR is a chromogenic medium for the detection of multidrug-resistant (MDR) *Acinetobacter* spp. Positive colonies exhibit a distinct red colouration enabling easy interpretation amongst blue, violet or colourless colonies that may be produced by other Gram negative bacteria. Gram positive bacteria and yeast are inhibited on this medium.

- Acinetobacter spp. MDR – Red colonies
- Non-MDR *Acinetobacter* spp. - Inhibited
- Gram – ve bacterial species – Blue / Violet / colourless colonies or inhibited
- Gram +ve bacterial species – Inhibited
- Yeasts - Inhibited

⁽¹⁾ Livermore, D. et al. 2006. Journal of Clinical Microbiology, 44(10): 3623-3627

⁽²⁾ Voluntary Surveillance of Acinetobacter spp. Bacteraemia in England, Wales and Northern Ireland: 2014. Infection report Vol.9 No.10 Mar 2015, Public Health England

⁽³⁾ Wareham, D. et al. 2009. Journal of Clinical Microbiology, 47(7): 2249-2251

⁽⁴⁾ Moran-Gilad, J. et al. 2014. European Journal of Clinical Microbiology & Infectious Diseases, 33: 1909-1913

Formula	gm/litre	Properties	
Peptone & Yeast extract	12.0	Appearance	Firm Gel
Chromogenic & selective mix	1.8	Colour	Straw
Salts	4.0	pH	7.0 ± 0.2
Agar	15.0	Storage	2 - 8°C
Liquid supplement	4.0ml	Shelf life	42 days
Selective supplement	5.0ml		

Quality Control Test Organisms	Ref. No.	Result
<i>Acinetobacter baumannii</i> (MDR)	NCTC 13424	Red Colonies
<i>Acinetobacter baumannii</i> (Non-MDR)	NCTC 10303	Inhibited
<i>Escherichia coli</i>	NCTC 12241	Inhibited
<i>Pseudomonas aeruginosa</i>	NCTC 12903	Inhibited
<i>Staphylococcus aureus</i>	NCTC 12981	Inhibited

Recommended Incubation : Aerobically at 37°C ± 1°C for 18 - 24 hours