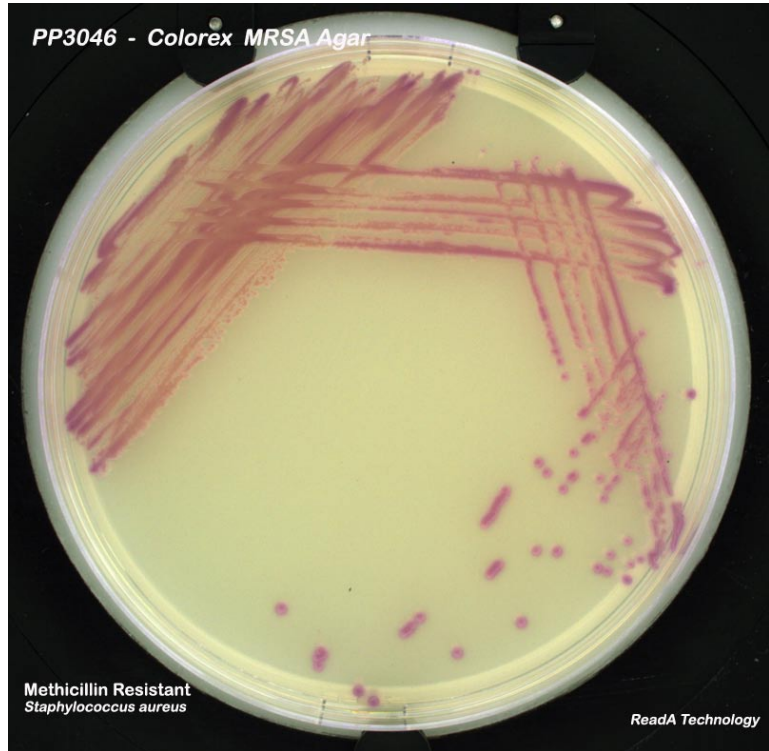
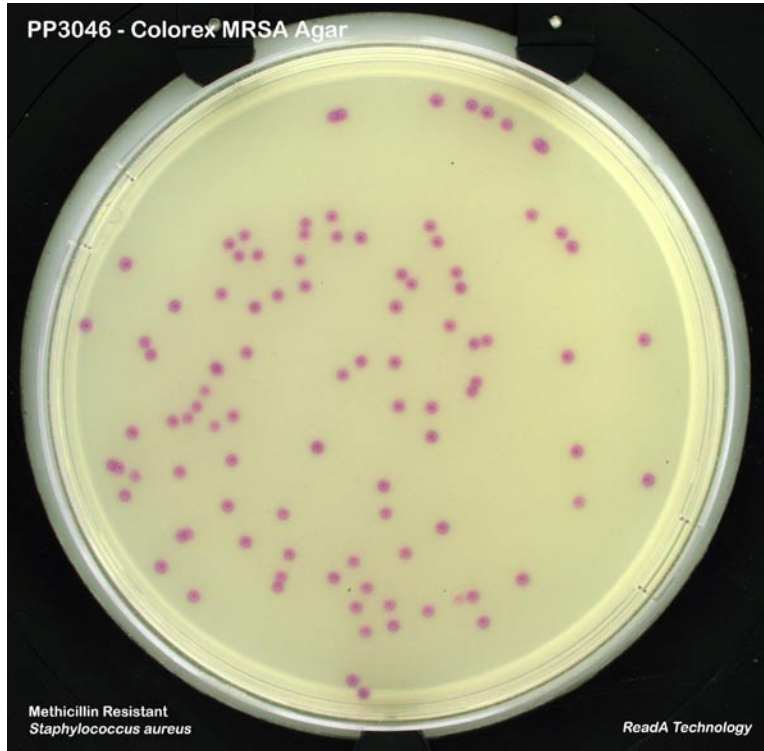


Colorex the pioneer range



PP3046 - Colorex™ MRSA Agar

18 - 24 Hours incubation at 37°C

PP3046 Colorex™ MRSA

In the mid-1960's, the first cases of MRSA infections were reported and since the 1980's there has been a steady rise in the number of reported cases and the mortality rate. The past few years has also seen the first cases of VRSA, Vancomycin Resistant Staphylococcus aureus.

Published figures from the HPA show that, for the period April 2002- March 2007, MRSA (Methicillin-Resistant Staphylococcus aureus) infections accounted for 25% of all surgery related infections. Despite a recorded 10% reduction in reported cases of MRSA bloodstream infections between the periods of 2005/6 to 2006/7, MRSA still accounted for 6381 cases in the last full year (2006) (1).

Traditional culture media, such as Mannitol Salt Agar and Oxacillin Resistance Screening Agar, have continued to produce unreliable results (2). Colorex MRSA was developed for the rapid isolation (18-24hrs) of MRSA from clinical samples, while maintaining levels of specificity and sensitivity close to one hundred percent (3).

- (1) Surveillance of Healthcare Associated Infections Report 2007 – HPA
- (2) Taguchi H et al. 2004. The Journal of the Japanese Association for Infectious Diseases, 54-58.
- (3) Diederens B, van Duijn I., van Belkum A., van Keulen P., Kluytmans J. 2005. Journal of Clinical Microbiology, 4 : 1925-1927

PRINCIPLE & INTENDED USE

This a chromogenic medium for the selective isolation and differentiation of Methicillin Resistant Staphylococcus aureus (MRSA). It is made selective by the addition of cefoxitin and has demonstrated in studies that sensitivity and specificity of this media has been close to 100%. Mauve colonies indicate MRSA (including low level resistant strains) following incubation (18 - 24hrs) at 37°C. Other organisms, if present are indicated by blue or colourless colonies.

Formula	gm/litre	Properties	
Peptone & yeast extracts	40.0	Appearance	Firm Gel
Salts	25.0	Colour	Buff
Agar	15.0	pH	6.9 ± 0.2
Chromogenic mix	2.6	Storage	2 - 8°C
		Shelf Life	42 days
Additives			
Selective supplement	1.0ml/L		

Quality Control Methods and Test Organisms

Organisms	Ref.No.	Result
MRSA	NCTC 10442	Mauve colonies
<i>Staphylococcus aureus</i>	ATCC 25923	Inhibited



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