TM0595 UREASE SLOPE 6ML
TM4079 UREASE SLOPE 4mL (polycarbonate tube) (pack 20)

FORMULA

Mycological Peptone	1.0	gm per litre
Glucose	5.0	
Potassium Dihydrogen Phosphate	2.0	
Sodium Chloride	5.0	
Urea	20.0	
Phenol Red	0.012	
Agar No 1	20.0	

pH 6.8 ± 0.2

DESCRIPTION

This medium is for the detection of urease activity in bacteria and fungi. The modified formulation allows luxuriant growth of fungi with earlier detection of urease activity (1).

QUALITY CONTROL

ORGANISMS:	***K. pneumoniae*** MVQC 0081 (ATCC™ 13833), ***P. mirabilis*** MVQC 0008 (ATCC™ 12453), ***S.* Typhimurium** MVQC 0009 (ATCC™ 14028), ***T. mentagrophytes*** MVQC 0104.
SAMPLE NUMBER:	Sample size is determined in accordance with ASM Guidelines (2).
STERILITY:	The entire production batch is incubated at 30°C for 3 days after which they are examined for sterility.
INOCULUM:	As described in TFS MBD WI 37, inoculate the specified test organisms onto the media using Working Culture B ($\leq 10^2$ cfu). ***Trichophyton*** - Remove a piece of thallous from the working culture and partially bury into the agar
INCUBATION:	Bacteria - 18 - 24 hours / 35°C / aerobically. ***Trichophyton***: - 3 – 4 days / 27°C / aerobically.

EXPECTED RESULTS:

P. mirabilis	Growth, Urease +ve	(bright pink)
K. pneumoniae	Growth, Urease weak +ve	(pale pink)
***S.* Typhimurium**	Growth, Urease –ve	(yellow/orange)
T. mentagrophytes	Growth, Urease +ve	(bright pink)

ALSO CHECKED AND RECORDED:

1. Batch number correct
2. Colour
3. Clarity
4. Gel strength
5. Final pH 6.8 ± 0.2
6. Sterility
7. Correctly labelled – UREA SLOPE

STORAGE

A shelf life of 12 months applies when this product is stored at 2° - 8°C in its original packaging.

REFERENCES

1. Ellis D., S. Davis, H. Alexiou, T. Pfeiffer, and Z. Manatakis. *Descriptions of Medical QAP Fungi*. 1992. Gillingham Printers, Australia.
2. *Guidelines for Assuring Quality of Medical Microbiological Culture Media*. 1996. Media Quality Control Special Interest Group, Australian Society for Microbiology.