

# CERTIFICATE OF ANALYSIS

**PRODUCT** PP2055SP  
COLUMBIA HORSE/MACCONKEY AGAR

**LOT NUMBER** 1218725

**EXPIRY DATE** 27.08.2012

Physical Characteristics	Results	Specification
<b>COLUMBIA HORSE</b>		
Appearance	Red opaque gel	Red opaque gel
pH	7.15	7.10 - 7.50
<b>MACCONKEY</b>		
Appearance	Red-orange to red-rose, slightly hazy gel	Red-orange to red-rose, slightly hazy gel
pH	7.20	7.20 - 7.60

**Sterility:** Samples of this batch have been incubated at 35°C and room temperature to ensure product meets acceptable levels of sterility.

Microbiological Characteristics	Results	Specification	Quantitative Tests
<b>COLUMBIA HORSE</b>			
<b>O2, 35°C, 18-24hr</b>			
<i>Staphylococcus aureus</i> ATCC®25923	1-2mm white colonies		
<i>Escherichia coli</i> ATCC®25922	1-3mm cream colonies		
<b>CO2, 35°C, 18-24hr</b>			
<i>Streptococcus pyogenes</i> ATCC®19615	0.5mm colourless cols, beta haemolysis		
<i>Streptococcus pneumoniae</i> ATCC®6305	0.5mm colourless cols, alpha haemolysis		
<b>ANO2, 35°C, 24-48hr</b>			
<i>Bacteroides fragilis</i> ATCC®25285	1-2mm light grey colonies		
<i>Clostridium perfringens</i> ATCC®13124	3-5mm colourless spreading cols, β haemo		
<b>MACCONKEY</b>			
<b>O2, 35°C, 18-24hr</b>			
<i>Escherichia coli</i> ATCC®25922	1-3mm pink colonies		
<i>Salmonella typhimurium</i> ATCC®14028	1-2mm colourless colonies		
<i>Proteus mirabilis</i> ATCC®12453	1-2mm colourless cols, w/o swarming		
<i>Enterococcus faecalis</i> ATCC®29212	0.5-1mm light pink colonies		

**Released By**



**Zulhusni Amir**

**MANUFACTURED AND TESTED BY: Thermo Scientific Microbiology Sdn Bhd (409466A)**

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