

CERTIFICATE OF ANALYSIS

PRODUCT :	Mac conkey agar
PRODUCT CODE NO.:	BW240

QUALITY CONTROL TESTS : DEHYDRATED MEDIUM

PARAMETERS	SPECIFICATIONS/STANDARD VALUES
COLOR	Pinkish beige
APPEARANCE	Homogenous free flowing powder

QUALITY CONTROL TESTS : REHYDRATED MEDIUM

PARAMETERS	SPECIFICATIONS/STANDARD VALUES
pH(post autoclaving/heating)	7.1+/-0.2
COLOR (post autoclaving/heating)	Orange Red
CLARITY (post autoclaving/heating)	Clear to slightly opalescent

QUALITY CONTROL TESTS : MICROBIOLOGICAL CULTURAL RESPONSE:

Cultural characteristics observed after 18 –24 hrs at 35-37° C

Organism Description	Inoculum(CFU)	Growth	Recovery	Colour of colony
Enterobacter aerogenes ATCC13048	50-100	good-luxuriant	>=50%	pink to red
Escherichia coli ATCC25922	50-100	good-luxuriant	>=50%	pink-red with bile precipitate
Escherichia coli ATCC8739	50-100	good-luxuriant	>=50%	colourless
Proteus vulgaris ATCC13315	50-100	good-luxuriant	>=50%	colourless
Salmonella enteritidis ATCC13076	50-100	good-luxuriant	>=50%	colourless
Salmonella typhi ATCC6539	50-100	good-luxuriant	>=50%	colourless
Salmonella paratyphiA ATCC 9150	50-100	good-luxuriant	>=50%	colourless
Salmonella paratyphiB ATCC 8759	50-100	good-luxuriant	>=50%	colourless
Shigella flexneri ATCC 12022	50-100	fair-good	30-40%	colourless
Enterococcus faecalis ATCC 29212	50-100	fair-good	30-40%	pale pink to red
Staphylococcus aureus ATCC 25923	>=10 ³	inhibited	0%	-

Staphylococcus aureus ATCC 6538	$\geq 10^3$	inhibited	0%	-	
---------------------------------	-------------	-----------	----	---	--