

BIOMARK LABORATORIES, INDIA

CERTIFICATE OF ANALYSIS

PRODUCT: XLD - MacConkey Agar

PRODUCT CODE NO: BB005-20

QUALITY CONTROL TESTS: DEHYDRATED MEDIUM

PARAMETERS	SPECIFICATIONS/STANDARD VALUES
COLOUR	Red colored medium of XLD Agar and Red coloured medium with purplish tinge of MacConkey Agar
PH	XLD Agar: 7.4 ± 0.2 MacConkey Agar: 7.1 ± 0.2
APPEARANCE	Sterile XLD Agar and MacConkey Agar in 85mm disposable Biplates
STERILITY TEST (AFTER 48 HOURS)	Sterile

QUALITY CONTROL TESTS: MICROBIOLOGICAL

CULTURAL RESPONSE:

Cultural characteristics observed after incubation at 35-37°C for 18-48 hours.

Microorganism (ATCC)	Inoculum (CFU)	Growth On Mac conkey Agar	Color On Mac Agar	Growth On Xldagar	Color On Xld Agar
Escherichia coli 25922	[50-100]	Luxuriant	-	Fair	yellow
Staphylococcus aureus 25923	[$\geq 10^3$]	Inhibited	Colorless	Inhibited	-
S. serotype enteritidis 13076	[50-100]	Luxuriant	Colorless	Good-luxuriant	Red w/black centres
S. serotype paratyphi A 9150	[50-100]	Luxuriant	Pink-red	Good-luxuriant	red
Enterobacter aerogenes 13048	[50-100]	Luxuriant	Colorless	Fair	yellow
Proteus vulgaris 13315	[50-100]	Luxuriant	-	Good-luxuriant	yellow
Proteus mirabilis 25933	[50-100]	-	Colorless	Good-luxuriant	yellow
S. serotype paratyphi B 8759	[50-100]	Luxuriant	Colorless-pink	Good-luxuriant	Red w/black centres
Enterococcus faecalis 29212	[50-100]	None-poor	-	-	-
Shigella dysenteriae 13313	[50-100]	-	Colorless	Good-luxuriant	red
Shigella flexneri 12022	[50-100]	Fair-good	-	Good	red

Shigella sonnei 25931	[50-100]	-	Colorless	Good-luxuriant	red
S. serotype typhi 6539	[50-100]	Luxuriant	-	Good-luxuriant	Red w/black centres
S. serotype typhimurium 14028	[50-100]	-	-	Good-luxuriant	Red w/black centres

This is to certify that this lot passes and it confirms to the above-mentioned tests and specifications. The information given here is believed to be correct and accurate, however, both the information and products are offered without warranty for any particular use, other than that specified in the current Biomark literature. The results reported were obtained at the time of release.

This document has been produced electronically and is valid.

Address:- S.NO.135/1, DALVI WADI, NEAR NANDED PHATA, SINHAGAD ROAD, DHAIRI, PUNE-411041, INDIA.
Email ID:- biomarklabs@gmail.com / biomarkmktg@gmail.com, **Website:-** www.biomarklabs.com

Rev: January 2026