

CERTIFICATE OF ANALYSIS

PRODUCT : Tributyrin agar base w/o tributyrin

PRODUCT CODE NO.: B076

QUALITY CONTROL TESTS : DEHYDRATED MEDIUM

| PARAMETERS | SPECIFICATIONS/STANDARD VALUES |
|------------|--------------------------------|
| COLOR | Cream to yellow |
| APPEARANCE | Homogenous free flowing powder |

QUALITY CONTROL TESTS : REHYDRATED MEDIUM

| PARAMETERS | SPECIFICATIONS/STANDARD VALUES |
|------------------------------------|----------------------------------|
| pH(post autoclaving/heating) | 7.5+/-0.2 |
| COLOR (post autoclaving/heating) | Cream to Light yellow |
| CLARITY (post autoclaving/heating) | Opalescent gel with oil droplets |

QUALITY CONTROL TESTS : MICROBIOLOGICAL CULTURAL RESPONSE:

Cultural characteristics observed after an incubation at 35-37C for 24-48hours with added Tributyrin (BF098) (under appropriate conditions).

| Organism Description | Inoculum(CFU) | Growth | Lipase activity |
|--------------------------------------|---------------|-----------|---|
| Clostridium perfringens ATCC12924 | 50-100 | Luxuriant | Negative, absence of clear zone around colony |
| Clostridium sporogenes ATCC11437 | 50-100 | Luxuriant | Positive, clear zone around colony |
| Bacillus subtilis ATCC 6633 | 50-100 | Luxuriant | Positive, clear zone around colony |
| Escherishia coli ATCC 25922 | 50-100 | Luxuriant | Negative, absence of clear zone around colony |
| Staphylococcus aureus ATCC 25923 | 50-100 | Luxuriant | Positive, clear zone around colony |

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 particulars use, other than that specified in the current Biomark literature. The results reported were obtained at the time of release.

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