

QUALITY CONTROL CERTIFICATE



Product name : Tryptone Soya Agar
Abbreviation : TSA
Article code : T400.76.0250
Filling Volume : 250 ml

Batch number : 20200400597
Storage temp. : 2-25 °C
Expiration date : 29-04-2021
(for sealed enclosure as dd-mm-yyyy)

Typical Formula

*Ingredients per litre of nutrient medium * :*

| | | |
|-------------------------------|------|----|
| Pancreatic digest of casein | 15 | gr |
| Papaic digest of soybean meal | 5 | gr |
| Sodium chloride | 5 | gr |
| Agar | 15 | gr |
| Demiwater | 1000 | ml |

** Adjusted as required to meet performance standards.*

Physical Properties

| Test | Criterion | Result | Conforms |
|--------------|----------------------|--------------------|----------|
| pH | 7,3 ± 0,2 | 7,3 | C |
| Color | cream | cream | C |
| Consistency | agar | agar | C |
| Gel Strength | | Conforms | C |
| Appearance | Clear:Yes Partic.:No | Clear:Yes Part.:No | C |

Sterility Check

| Incubation-condition | Result | Conforms |
|----------------------|---------|----------|
| 44-52 hours 30 ±1 °C | Sterile | C |

Growth Properties on next page.

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Growth Properties

• Incubation-condition : 40-72 hours 32,5 ±2,5 °C Aerobic

| Micro-organisms | Strain | Method* | Electivity** | CFU | CFU-ref | Result | Crit. | Conf. |
|--------------------------|---------------------------------------|---------|--------------|-----|---------|--------|-------|-------|
| Staphylococcus aureus | ATCC 6538 WDCM 00032 NCTC 10788 | 05 | cream | 67 | 68 | 0.99 | ≥ 0.7 | C |
| Bacillus subtilis | ATCC 6633 WDCM 00003 NCTC 10400 | 05 | cream | 67 | 69 | 0.97 | ≥ 0.7 | C |
| Pseudomonas aeruginosa | ATCC 9027 WDCM 00026 | 05 | green | 70 | 74 | 0.95 | ≥ 0.7 | C |
| Aspergillus brasiliensis | ATCC 16404 WDCM 00053 | 05 | white/black | 43 | 41 | 1.05 | ≥ 0.7 | C |
| Candida albicans | ATCC 10231 WDCM 00054 | 05 | white | 55 | 56 | 0.98 | ≥ 0.7 | C |

* Method 05 = TV 5.05 Non-selective enumeration agar ; Growth promotion test (acc European Pharmacopoeia 8.0)
Result: Productivity-Ratio (cfu test / cfu ref) ; inoculum ≤100 cfu

** Electivity denotes the properties of the colony and/or their effect on the morphological characteristics of the medium
CFU denotes Colony Forming Units counted on batch. CFU-ref denotes Colony Forming Units counted on reference plate.
C = Conforms
Do not expose the product to intense light.
The test results reported on this quality control certificate were obtained from a sample of the batch at the time of release.

Authorisation QC :

Peggy Spaan
04-05-2020
(dd-mm-yyyy)



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