

## TRYPTONE SOYA AGAR, PH EUR - USP

A highly nutritious general-purpose medium for the cultivation of wide variety of microorganisms according to PH EUR (Casein Soya-Bean Digest Agar - Harmonised) and several ISO standards.

| <b>Dehydrated media</b>        |                                 |
|--------------------------------|---------------------------------|
| Code number:                   | 500 g: TSA20500, 5 kg: TSA25000 |
| Colour:                        | Yellowish                       |
| Appearance:                    | Homogeneous hygroscopic powder  |
| pH before autoclaving (25 °C): | 7,1 – 7,5                       |

**Direction:** Suspend **40 g** in one litre of distilled water and heat with frequent agitation until the medium boils well. Sterilise by autoclaving at 121 °C for 15 minutes.

| <b>Prepared media</b>                 |                                    |
|---------------------------------------|------------------------------------|
| Bottled media:                        | 100 ml: TSA30100, 500 ml: TSA30500 |
| Plated media in normal Petri-dishes:  | 55 mm: TSA50055, 90 mm: TSA50090   |
| Plated media in contact Petri-dishes: | 65 mm: TSA50065                    |
| Colour:                               | Yellowish                          |
| pH (25 °C):                           | 7,2 – 7,4                          |

**Direction:** Dispense the melted bottled media aseptically into sterile Petri-dishes. Media in Petri-dishes are ready to use.

### FORMULA in g/l

|                 |    |
|-----------------|----|
| Casein peptone  | 15 |
| Soya peptone    | 5  |
| Sodium chloride | 5  |
| Agar            | 15 |

**Note:** The typical formula can be adjusted to obtain optimal performance.

**Storage conditions:** Store the bottled media protected from light at room temperature. Store the plated media protected from light at 2-8 °C. Use before the expiry date on the label.

#### Quality control:

| Test strains                               | Incubation temp: 37 °C | Growth | Incubation time: 24 h |
|--|------------------------|--------|-----------------------|
| <i>Pseudomonas aeruginosa</i> ATCC 27853   |                        | Good   |                       |
| <i>Staphylococcus aureus</i> ATCC 29213    |                        | Good   |                       |
| <i>Bacillus subtilis</i> ATCC 6633         |                        | Good   |                       |
| <i>Candida albicans</i> ATCC 10231         |                        | Good   |                       |
| <i>Aspergillus brasiliensis</i> ATCC 16404 |                        | Good   |                       |

**References:** European Pharmacopoeia  
ISO 9308-1:2015, ISO 21871:2006

**In vitro diagnostic – for professional use only!**