

Growth Media Type – Tryptic Soy Broth/Tryptone Soya Broth

Organisms & morphology: Tryptic Soy Broth / Tryptone Soya Broth will support growth of a wide range of aerobic and anaerobic bacteria if incubated under the right conditions.

A typical set of control organisms and growth associated with these is:

Organism	Reaction
Staphylococcus aureus	Turbid/ visible growth
Staphylococcus epidermidis	Turbid/ visible growth
Escherichia coli	Turbid/ visible growth
Bacillus subtilis	Turbid/ visible growth
Pseudomonas aeruginosa	Turbid/ visible growth
Candida albicans	Visible growth
Aspergillus brasiliensis	Visible growth

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Regulatory references: TSB is a Harmonised Pharmacopoeia medium and as such is mentioned in the BP/EP/JP, as well as the US Pharmacopoeia.

Recommended Culture Media	Property	Micro-organisms	Incubation Time & Temp
Casein Soyabean Digest Broth	Growth promotion	Aspergillus brasiliensis Bacillus subtilis Candida albicans	30-35°C for < 3 days

EP Chapter Ref 2.6.12 Microbial examination of non-sterile products: Microbial enumeration tests

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