TRYPTONE SOYA YEAST EXTRACT AGAR

A highly nutritious general purpose medium for the cultivation of a wide variety of micro-organisms especially *Listeria monocytogenes*.

Dehydrated media	
Code number:	500 g: TYA20500, 5 kg: TYA25000
Colour:	Yellowish
Appearance:	Homogeneous hygroscopic powder
pH before autoclaving (25 °C):	7,1 – 7,5

Direction: Suspend **51 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.

Prepared media	
Bottled media:	100 ml: TYA30100, 500 ml: TYA30500
Plated media:	55 mm: TYA50055, 90 mm: TYA50090
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

Tryptone	17,0
Soya peptone	3,0
Yeast extract	6,0
Glucose	2,5
Sodium chloride	5,0
Buffers	2,5
Agar	15,0

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

Storage conditions: Store the dehydrated media tightly closed in a dry place at room temperature. 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
Listeria monocytogenes	ATCC 19115	Good	

References: APHA (1992) Compendium of Methods for the Microbiological Examination of Foods 3rd ed.
ISO 11290

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