

TOS PROPIONATE AGAR BASE

A selective medium for the direct detection of viable *Bifidobacteria* spp.

Dehydrated media	
Code number:	500 g: TOS20500, 5 kg: TOS25000
Colour:	Yellowish
Appearance:	Homogeneous hygroscopic powder
pH before autoclaving (25 °C):	6,5 – 6,9

Direction: Suspend **31 g** in 500 ml of distilled water and heat with frequent agitation until the medium boils well. Sterilise by autoclaving at 110 °C for 15 minutes. Cool to 50 °C and add aseptically the contents of **one vial of TOS Selective Supplement (TOM80005)** reconstituted with 5 ml of sterile distilled warm water. Mix well before pouring.

Warning!

The medium is heat sensitive.
No further sterilisation is necessary or desirable.

Prepared media	
Bottled media bases:	100 ml: TOS30100, 400 ml: TOS30400 500 ml: TOS30500
Plated media:	55 mm: TOS50055, 90 mm: TOS50090
Colour:	Yellowish
pH (25 °C):	6,6 – 6,8

Direction: Supplement the melted bottled media bases according to the direction of the dehydrated media and dispense aseptically into sterile Petri-dishes. Media in Petri-dishes are ready to use.

FORMULA in g/l

Casein peptone	10,0
Yeast extract	1,0
Cysteine	0,5
Galactoorigosaccharide TOS	10,0
Ammonium sulphate	3,0
Magnesium sulphate	0,2
Sodium propionate	15,0
Potassium phosphate, dibasic	4,8
Potassium phosphate, monobasic	3,0
Agar	14,5

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: 72 h
<i>Bifidobacterium breve</i> ATCC 15700		Good	
<i>Lactobacillus casei</i> ATCC 393		Inhibited	

References: ISO/DIS 29981 | IDF220

In vitro diagnostic – for professional use only!