

PERFRINGENS (OPSP) AGAR BASE

A selective and differential medium for the enumeration of *Clostridium perfringens*.

Dehydrated media	
Code number:	500 g: POB20500, 5 kg: POB25000
Colour:	Yellowish
Appearance:	Homogeneous hygroscopic powder
pH before autoclaving (25 °C):	7,1 – 7,5

Direction: Suspend **23,5 g** in 500 ml of distilled water and heat with frequent agitation until the medium boils well. Sterilise by autoclaving at 121 °C for 15 minutes. Cool to 50 °C and add aseptically the contents of **one vial each of Perfringens Selective Supplements, OPSP, A + B (POS80004)** both reconstituted with 4 ml of sterile distilled water. Mix well before pouring.

Prepared media	
Bottled media bases:	100 ml: POB30100, 500 ml: POB30500
Plated media:	55 mm: POB50055, 90 mm: POB50090
Colour:	Yellowish
pH (25 °C):	7,2 – 7,4

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

Peptones	33,5
Ferric ammonium citrate	1,0
Sodium metabisulphite	1,0
Buffers	1,5
Agar	10,0

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: 44 °C	Growth	Incubation time: 48 h
<i>Clostridium perfringens</i> ATCC 13124		Good, black colonies (under anaerobic conditions)	

References: Harmon et al. (1971) J. Appl. Microbiol. 22: 688.
Sahidi and Fergusson (1971) J. Appl. Microbiol. 21: 500.

In vitro diagnostic – for professional use only!