

# IRON SULPHITE AGAR

A differential medium for the detection of thermophilic anaerobes, producing hydrogen sulphite according to ISO 15213.



Dehydrated media	
Code number:	500 g: ISA20500, 5 kg: ISA25000
Colour:	Yellowish
Appearance:	Homogeneous hygroscopic powder
pH before autoclaving (25 °C):	7,4 – 7,8

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

Prepared media	
Bottled media:	100 ml: ISA30100, 500 ml: ISA30500
Tubed media:	150 x 15 mm: ISA40010 (10 ml)
Colour:	Yellowish
pH (25 °C):	7,5 – 7,7

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

## FORMULA in g/l

Casein peptone	15
Soya peptone	5
Yeast extract	5
Sodium metabisulphite	1
Ferric ammonium citrate	1
Agar	13

**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 tubed 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, colour change to black (under anaerobic conditions)	

**References:** ISO 15213:2006