

## SPS AGAR

A selective and differential medium for the detection of thermophilic anaerobes, producing hydrogen sulphite.

| Dehydrated media               |                                 |
|--------------------------------|---------------------------------|
| Code number:                   | 500 g: SPS20500, 5 kg: SPS25000 |
| Colour:                        | Yellowish                       |
| Appearance:                    | Homogeneous hygroscopic powder  |
| pH before autoclaving (25 °C): | 6,9 - 7,3                       |

**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 115 °C for 15 minutes.

### Warning!

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

| Prepared media |                                    |
|----------------|------------------------------------|
| Bottled media: | 100 ml: SPS30100, 500 ml: SPS30500 |
| Tubed media:   | 150 x 15 mm: SPS40010 (10 ml)      |
| Colour:        | Yellowish                          |
| pH (25 °C):    | 7,0 - 7,2                          |

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

## FORMULA in g/l

|                         |       |
|-------------------------|-------|
| Peptones                | 25,00 |
| Ferric ammonium citrate | 0,50  |
| Sodium metabisulphite   | 0,50  |
| Sulfadiazine            | 0,12  |
| Polymyxin B             | 0,01  |
| Agar                    | 13,90 |

**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:** Angelotti et al. (1962) J. Appl. Microbiol. 10: 193.

**For professional use only!**