

## HERROLD'S AGAR BASE

A selective medium for the isolation of *Mycobacterium paratuberculosis*.

| <b>Dehydrated media</b>        |                                 |
|--------------------------------|---------------------------------|
| Code number:                   | 500 g: HEC20500, 5 kg: HEC25000 |
| Colour:                        | Greenish                        |
| Appearance:                    | Homogeneous hygroscopic powder  |
| pH before autoclaving (25 °C): | 6,4 – 6,8                       |

**Direction:** Suspend **25 g** in 800 ml of distilled water. Add **5 ml of Glycerol Supplement (GLC80100)**. Mix well 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 **200 ml of Sterile Egg Yolk Emulsion (EYE80100)** and the contents of **one vial of Mycobactin J Supplement (MJS80005)** reconstituted with 2 ml of ethanol. Mix well before pouring. Allow to cool in slanted position.

| <b>Tubed media</b> |  |
|--------------------|--|
| Herold's agar      | 110 x 16 mm: HEC40006-AO (6 ml, slant) |
| Colour:            | Light green                            |
| pH (25 °C):        | 6,5 – 6,7                              |

**Direction:** Media in tubes are ready to use.

### FORMULA in g/l

|                            |       |
|----------------------------|-------|
| Middlebrook 7H10 agar base | 20,00 |
| Sodium pyruvate            | 4,90  |
| Malachite green            | 0,10  |
| Amphotericin B             | 0,01  |

**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 tubed 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: 3 weeks |
|--|------------------------|------------|--------------------------|
| <i>Mycobacterium paratuberculosis</i> ATCC 19698 |                        | Acceptable |                          |

**References:** Twort and Ingram (1912) *Proceedings of the Royal Society B: Biological Sciences*. 84 (575): 517.

**In vitro diagnostic – for professional use only!**