

## EUGON LT 100 BROTH BASE

A neutralising medium for the preparation and enrichment of test samples in the cosmetic industries according to ISO 21149.

| Dehydrated media               |                                 |
|--------------------------------|---------------------------------|
| Code number:                   | 500 g: EUB20500, 5 kg: EUB25000 |
| Colour:                        | Yellowish                       |
| Appearance:                    | Homogeneous hygroscopic powder  |
| pH before autoclaving (25 °C): | 6,8 – 7,2                       |

**Direction:** Suspend **32 g** in one litre of distilled water. Add **5 ml of TWEEN 80 Supplement (TWS80500)** and **1 ml of TRITON X-100 Supplement (TXS80100)**. Mix well and keep the suspension at about 40 - 50 °C until the lecithin dissolves completely (20 – 30 min). Meanwhile mix several times. Heat with frequent agitation until the medium boils well. Filter it through a fine filter. Dispense into final containers and sterilise by autoclaving at 121 °C for 15 minutes.

**Warning!** Mix thoroughly before use!

| Prepared media |                                                                |
|----------------|----------------------------------------------------------------|
| Bottled media: | 90 ml: EUB30090<br>100 ml: EUB30100<br>500 ml: EUB30500        |
| Tubed media:   | 150 x 15 mm: EUB40009 ( 9 ml)<br>150 x 15 mm: EUB40010 (10 ml) |
| Colour:        | Yellowish, homogeneous turbid                                  |
| pH (25 °C):    | 6,9 – 7,1                                                      |

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

**Warning!** At the bottom of the containers some separation of TWEEN might be observed which has no effect on the quality of the medium. Shaking the containers, it disappears.

### FORMULA in g/l

|                 |      |
|-----------------|------|
| Casein peptone  | 15,6 |
| Soya peptone    | 5,0  |
| L-Cystine       | 0,7  |
| Glucose         | 5,5  |
| Sodium chloride | 4,0  |
| Sodium sulphite | 0,2  |
| Egg lecithin    | 1,0  |

**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 and tubed media protected from light at room temperature. Use before the expiry date on the label.

#### Quality control:

| Test strains                  | Incubation temp: 37 °C | Growth | Incubation time: 24 h |
|-------------------------------|------------------------|--------|-----------------------|
| <i>Escherichia coli</i>       | ATCC 25922             | Good   |                       |
| <i>Pseudomonas aeruginosa</i> | ATCC 27853             | Good   |                       |
| <i>Staphylococcus aureus</i>  | ATCC 29213             | Good   |                       |
| <i>Candida albicans</i>       | ATCC 10231             | Good   |                       |

**References:** ISO 21149: 2009

**For professional use only!**