

## ChromoBio® TBX

A selective and differential chromogenic medium for the detection and enumeration of *E. coli* according to ISO 16649.

| Dehydrated media               |                                 |
|--------------------------------|---------------------------------|
| Code number:                   | 500 g: TBX20500, 5 kg: TBX25000 |
| Colour:                        | Yellowish                       |
| Appearance:                    | Homogeneous hygroscopic powder  |
| pH before autoclaving (25 °C): | 7,0 – 7,4                       |

**Direction:** Suspend **37 g** in one litre of distilled water and heat with frequent agitation until the medium boils well. 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: TBX30100, 500 ml: TBX30500 |
| Plated media:  | 55 mm: TBX50055, 90 mm: TBX50090   |
| Colour:        | Yellowish                          |
| pH (25 °C):    | 7,1 – 7,3                          |

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

## FORMULA in g/l

|                                                    |        |
|----------------------------------------------------|--------|
| Casein peptone                                     | 20,000 |
| Bile salts No.3                                    | 1,500  |
| BCIG cyclohexyl ammonium salt x 1 H <sub>2</sub> O | 0,075  |
| Agar                                               | 15,500 |

**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: 37 °C | Growth                                     | Incubation time: 24 h |
|-----------------------------------------|------------------------|--------------------------------------------|-----------------------|
| <i>Escherichia coli</i> ATCC 25922      |                        | Good, blue colonies                        |                       |
| <i>Proteus mirabilis</i> ATCC 29906     |                        | Good, colourless colonies without swarming |                       |
| <i>Enterococcus faecalis</i> ATCC 29212 |                        | Inhibited                                  |                       |

**References:** Frampton et al. (1988) J. Food Protection 51: 402.  
ISO 16649-1:2018, ISO 16649-2:2005, ISO 16649-3:2015

**For professional use only!**