

## LOEFFLER MEDIUM BASE

A non-selective medium for the cultivation and isolation of *Corynebacterium* spp.

<b>Dehydrated media</b>	
Code number:	500 g: LOE20500, 5 kg: LOE25000
Colour:	Yellowish
Appearance:	Homogeneous hygroscopic powder
pH before autoclaving (25 °C):	7,4 – 7,8

**Direction:** Suspend **26 g** in 250 ml of distilled water and heat gently to dissolve the medium completely. Sterilise by autoclaving at 121 °C for 15 minutes. Cool to 50 °C and add **750 ml of sterile bovine serum**. Mix thoroughly and dispense into sterile test tubes. Inspissate for serum coagulation in slanted position at 85 °C for 120 min.

<b>Prepared media</b>	
Bottled media bases:	100 ml: LOE30100, 500 ml: LOE30500
Tubed media:	100 x15 mm: LOE40005 (5 ml, slant)
Colour of bottled media bases:	Yellowish, transparent
Colour of tubed media:	White, turbid
pH (25 °C):	7,5 – 7,7

**Direction:** Supplement the bottled media bases according to the direction of the dehydrated media. Mix thoroughly and dispense into sterile test tubes. Inspissate for serum coagulation in slanted position at 85 °C for 120 min. Media in tubes are ready to use.

### FORMULA FOR BROTH BASE in g/l

Nutrient mixture (peptones, extracts)	17,5
Glucose	3,5
Sodium chloride	5,0

**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 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: 37 °C	Growth	Incubation time: 96 h
<i>Corynebacterium diphtheriae</i> ATCC 11913		Good	

**References:** Loeffler (1897) Zentralbl. Bacteriol. 2: 102.

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