

# COLECCIÓN ESPAÑOLA DE CULTIVOS TIPO (CECT)



Parc Científic Universitat de València  
Catedrático Agustín Escardino, 9  
46980 Paterna (Valencia). España  
Tel.: +34 96 354 46 12  
<http://www.cect.org>



## LOWENSTEIN-JENSEN MEDIUM. CECT 55

Several commercial brands are available (Difco 220908 and others; Scharlau 064-TA0165).

To the best of our knowledge there are none equivalent liquid media. For rehydration of freeze-dried cells, sterile saline solution is recommended.

Formula of Löwenstein-Jensen medium (per 600 mL):

- $\text{KH}_2\text{PO}_4$  2.50 g
- $\text{MgSO}_4$  0.24 g
- Mg-citrate 0.60 g
- Asparagine 3.60 g
- Potato flour 30.00 g
- Malachite green 0.40 g
- Distilled water 600 mL

Add:

- Glycerol 12 mL

Mix thoroughly. Heat with agitation just until the medium boils. Autoclave at 121 ° C for 15 minutes. Cool to approximately 50 ° C, and add egg mixture gently.

Egg mixture:

Prepare 1000 mL of whole eggs. Clean eggs with ethanol, collect yolk and white aseptically, and mix thoroughly.