

MC (Modified Chang's Serum-Casein-Glucose-Yeast Extract Medium)

Freshwater protozoa

Medium	per litre
Casein digest (Casitone, cat. no. 225930) *	10.0 g
Na ₂ HPO ₄ ·7H ₂ O	2.5 g
KH ₂ PO ₄	0.8 g
Yeast extract (Oxoid LP0021) **	5.0 g
D-glucose	2.5 g
Liver digest (Oxoid LP0027) **	2.5 g

To be added later:

Sterile foetal calf serum (Gamma-Irradiated, cat. no. 10109-155) ***	5 x 20 ml
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Add the first six constituents in the order shown to 900 ml of deionised water, allowing each to dissolve completely before adding the next. Adjust to pH 6.9. Dispense into 5 x 180 ml aliquots and sterilise by pressure cooking at 10 psi for 15 minutes.

Aseptically add the foetal calf serum to a final concentration of 10%.

Store at 4°C.

Supply

* Voigt Global Dist. Llc (www.voigtglobal.com/)

** Oxoid Ltd (www.oxoid.com/)

*** Invitrogen (www.invitrogen.com/)

Reference

De Jonckheere JF (1977) Use of an axenic medium for differentiation between pathogenic and nonpathogenic *Naegleria fowleri* isolates. *Appl. Environ. Microbiol.*, **33**, 751-787.