ATCC Medium: 1671  Blastocystis Egg Medium

Whole emulsified egg 783 ml
Stone’s Modification of Locke’s Solution (see below) 217 ml

Use only fresh fertile eggs (one source for such eggs is B&E eggs in York Spring Pa. Ship at Day 0)
Filter through gauze into a filtration flask.
Place under vacuum to draw out air bubbles.
Dispense in 4.0 ml amounts to a 16 x 125 mm screw-cap tube.
Insipssate (80 °C) at a 30 degree slant .Generally it takes approximately 1 hour to set. Remove when eggs have solidified. Be careful not to overcook.
Allow to cool and add a 4.5 ml overlay of Stone’s Modification of Locke’s Solution.
Cap with rubber stoppers then autoclave for 20 minutes at 121°C.
Remove rubber stoppers after the medium is cooled the aseptically replace with screw-caps.

Stone’s Modification of Locke’s Solution*:
NaCl 8.0 g
CaCl₂ 0.2 g
KCl 0.2 g
MgCl₂ x 6H₂O 0.01 g
Na₂HPO₄ 2.0 g
NaHCO₃ 0.4 g
KH₂PO₄ 0.3 g
Distilled water 1000.0 ml


Note: Solution will precipitate when Na₂HPO₄ is added. Dispense while stirring to evenly distribute salts.

Protistology will add 25% (v/v) heat-inactivated (56°C for 30 minutes) horse serum (~1.5ml) to each tube just before use (before placing the tubes in the anaerobic jar 48 hours prior to inoculation with Blastocystis).