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Media Composition for Diplonema papillatum culture

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Protocol status: Working

We use this protocol and it's working



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- 1 Dissolve the sea salt and tryptone in distilled water.
For 500ml
 - 20g of sea salts
 - 5g of tryptone
 - 495ml of distilled water
- 2 Filter it through Whatman filter paper to remove undissolved salt
- 3 Add 1% FBS + 100µg/ml of chloramphenicol (conc. 40mg/ml)
- 4 Mix it with magnetic stirrer and filter the media again with (0.22µm) filter
- 5 Place the media at 27°C for dense culture or 15°C for optimal growth. It is also recommended that the media should be tested for the presence of any contaminants, prior to the addition of cells, by keeping overnight incubation of media in the particular incubator
- 6 After half an hour incubation of media in the incubator, add healthy cell culture to the flask 1:10 times diluted
- 7 Check the general appearance of the cells immediately after adding the cells in the media and also after 6-8 h of incubation in the particular media using inverted phase contrast microscope.