

 Culture Collection of algae & protozoa	QF 09 Media Preparation Recipe Template	Revision: 002 Approved: 29 MAY 26
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FCGM (Freshwater Cereal Grass Medium)

Protozoa

Medium	per 500 ml
Cereal grass leaves*	0.625 g

Bring 500 ml of DIW to the boil then add cereal leaves. Boil for 5 minutes, turn off the heat then leave to steep for 3 hours. Filter through a Buchner funnel. Autoclave at 15 psi for 15 minutes.

Supply

*Ward's Natural Science, PO Box 92912, Rochester, NY 14692-9012, USA, www.wardsci.com

FCGM + HEPES

Protozoa

Medium	per 500 ml
Cereal grass leaves*	0.625 g
HEPES	5.95 g

Make a 50mM HEPES solution with 500 ml DIW and adjust pH to **7.0** with 1M NaOH or 1M HCl. Bring to the boil then add cereal leaves. Boil for 5 minutes, turn off the heat then leave to steep for 3 hours. Filter through a Buchner funnel. Autoclave at 15 psi for 15 minutes.

Supply

*Ward's Natural Science, PO Box 92912, Rochester, NY 14692-9012, USA, www.wardsci.com

Reference

McFadden, G. I., & Melkonian, M. (1986). Use of Hepes buffer for microalgal culture media and fixation for electron microscopy. *Phycologia*, 25(4), 551-557 – adapted for CCAP

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