

Media preparation (500ml) protocol for retinol experiment

1. Prepare just corn meal media .The temperature should be ~ 45 degrees. Media should not solidify.
2. Add TEGO- 250 ul
Propionic acid- 300 ul
Orthophosphoric acid – 2ml
Add one by one and mix properly.

TEGO Stock preparation-

Dissolve 0.25 gm of TEGO in 5ml of absolute ethanol. Add 250 ul of this stock solution in 500 ml of cornmeal media.

3. Add 500 ul of 100mM all trans retinal solution to 500 ml of media (1ul/1ml of Media).
Mol.wt. of all trans-retinal-284.44
Stock solution to be prepared is 100mM.

Control experiment will have equal amount of absolute ethanol without all trans-retinal.

4. Prepared media vials/bottles should be store at 18 degrees and can be kept for 4-5 days.
Keep them in Dark/wrapped in aluminum foil. The chemical is light sensitive. Try to prepare fresh solution every time you need. Avoid keeping 100 mM stock solution at low temperature for long. Otherwise should be store at -20 degrees for short duration in small aliquotes.