

**Physarum Agar
N+C Medium
Package of 6 bottles & Sterile Oats
88 W 1620**

***This agar is always bought from a vendor. Check with senior technician before making.**

Ingredients:

Pancreatic digest of Casein	10g (TRYPTONE)
Glucose	10g
Citric Acid*H ₂ O	4.04g
KH ₂ PO ₄	2g
Yeast Extract	1.5g
CaCl ₂ *2H ₂ O	0.6g
MgSO ₄ *7H ₂ O	0.6g
FeCl ₂ *4H ₂ O	0.06g
ZnSO ₄ *7H ₂ O	0.034g

Using a thermometer, bring water to 70-80°C then add ingredients. Heat to a boil, and adjust pH to 4.6. Dispense. After autoclaving add 0.125ml of Hemin solution sterily under a hood to each bottle.

<i>Hemin Solution</i>	<i>1.0mL</i>
<i>NaOH</i>	<i>1.0g</i>
<i>Hemin</i>	<i>250mg</i>
<i>DH₂O</i>	<i>100ml</i>

Mix these ingredients until salts dissolve. Place in a 213-0502 (250ml bottle) and autoclave on a P5(see below).

Packaging:

Dispense 125 ml into 250 ml bottles (part number 213-0502).

Package 6 bottles, 1 pack of oats and plate pouring literature in a 250-0422 box.

Autoclaving:

Autoclave on P5 cycle of autoclave: 15psi (121°C) for 20 minutes.

Do not run on P3 cycle. It has a faster cool down rate, which causes the bottles to collapse resulting in waste. Make sure caps remain loose before autoclaving.

ALWAYS CHECK THE TEMPERATURE VS. CYCLE LISTED!

Additional Information:

Allow media to cool 12-24 hours before tightening the caps.

Label each box with item number, description, lot and batch codes.

Ex. S 07158-1

Fill a 3 ½" x 8" convertor self seal pouch with oats (stored in micro lab).

Run this on a P1 cycle of the autoclave: 30psi (121°C) for 20 minutes.