

VERSION 2

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Protocol status: Working We use this protocol and it's working

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General Media Recipes: WA, PDA, LB, CMA, V8 V.2

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DISCLAIMER

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ABSTRACT

These are current general media recipes for (acidified) water agar, (acidified) potato dextrose agar, LB broth, cornmeal agar, P5ARP/P10ARP, and clarified V8 juice agar.

GUIDELINES

These are media recipes.

SAFETY WARNINGS

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Use proper PPE for toxic additives in the P5ARP/P10ARP recipes inside a fume hood. Wear gloves, eye protection, and dust mask. Terraclor May cause sensitization by skin contact. Experimental carcinogen and neoplastigen.

ETHICS STATEMENT

NA

PROTOCOL integer ID: 95837

BEFORE START INSTRUCTIONS

Prepare the following:

- Turn on water bath if making more than 3-4 bottles of poured media, **or** if making $P_5ARP/P_{10}ARP$. Set to $\$ 50 \degree C$.
- Prepare hood by spraying surfaces with ethanol and allowing hood to equalize for
 00:15:00 minutes.
- Open the necessary quantity of Petri plate bags and stack in hood (500 mL agar =~ 1.5 sleeves of 90 mm plates, 2 sleeves of 60 mm plates).
- Standardize pH meter, if applicable (aWA and aPDA).
- Thaw any antibiotics, if applicable.

Making Media

30m

1 Select media types from below:

Preparation

STEP CASE

Water Agar (1.5%) 6 steps

WA and aWA (1.5%)

2 Water Agar preparation:

A	В	С
	500 mL	250 mL
Bottle size (mL)	1000	500
Agar (g)	7.5	3.75
RO Water (mL)	500	250

 $500 \text{ mL} \sim 1.5 \text{ sleeves of } 90 \text{ mm plates or } 2 \text{ sleeves of } 60 \text{ mm plates.}$

3 Add stir bar and stir contents well.



Place a loose orange cap. Label cap with autoclave tape (1.5% WA) and date.

4 Autoclave liquid setting for 20 minutes to sterilize.

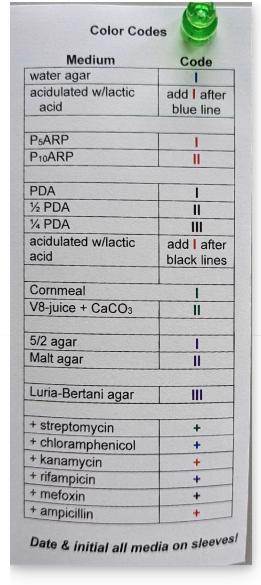
Acidified WA (aWA)

5 To make acidified WA (aWA):

■ ∠ ~0.5 mL for 500 mL of media

After Pouring Media

- Mark plates with media color codes.
 - Turn off water bath.
 - Turn off autoclave, if no longer needed.
 - Spray inside of hood with ethanol.
 - Close filling port in pH meter, if necessary.
 - Tightly cap empty media bottles so agar doesn't dry out.
- When media has solidified, place in bags labeled with media name, your initials, and date.



Bennett Lab media color codes.