



VERSION 3

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General Media Recipes:
WA, PDA, LB, CMA, V8 .
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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.3

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ABSTRACT

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

GUIDELINES

These are media recipes.

BEFORE START INSTRUCTIONS

Prepare the following:

- Turn on water bath if making more than 3-4 bottles of poured media, **or** if making P₅ARP/P₁₀ARP. Set to 50 °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	B	C
	500 mL	250 mL
Bottle size (mL)	1000	500
Agar (g)	7.5	3.75
RO Water (mL)	500	250

500 mL ~ 1.5 sleeves of 90 mm plates or 2 sleeves of 60 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):
Adjust to pH 3.9 after autoclaving with 10 % (v/v) lactic acid

-  ~0.5 mL for 500 mL of media

After Pouring Media

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 - 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.

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When media has solidified, place in bags labeled with media name, your initials, and date.

Color Codes	
Medium	Code
water agar	I
acidulated w/lactic acid	add I after blue line
P ₅ ARP	I
P ₁₀ ARP	II
PDA	I
½ PDA	II
¼ PDA	III
acidulated w/lactic acid	add I after black lines
Cornmeal	I
V8-juice + CaCO ₃	II
5/2 agar	I
Malt agar	II
Luria-Bertani agar	III
+ streptomycin	+
+ chloramphenicol	+
+ kanamycin	+
+ rifampicin	+
+ mefoxin	+
+ ampicillin	+

Date & initial all media on sleeves!

Bennett Lab media color codes.