

# G418 Dropout Plates

## Make 1L of G418 Dropout Plates

1.7g	Yeast Nitrogen Base w/o (NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub> or AA	(US Bio Y2030)
1.0g	Monosodium Glutamate (L-Glutamic Acid)	(Sigma G1626)
XX	Dropout powder	
900mL	dI H <sub>2</sub> O	
--1L	Total	

Mix till all ingredients are dissolved

20g            Agar

Add agar and stir for few minutes, till all lumps are gone.

Autoclave

100mL        Sugar (10X)

Add sugar and let stir till cool enough to touch.

1mL            G418 (1000x stock, 200mg/mL in H<sub>2</sub>O, 200ug/mL final) (Sigma A1720)

Add G418 and stir several minutes.

Pour plates.

**\*Note\*** Ammonium sulfate impedes the function of G418 by inhibiting uptake. Instead, use Monosodium Glutamate when making dropout plates.