

A modification of Nash & Snyder's medium for  
*Fusarium solani* f. sp. *glycines*

Ingredient	To Make 1 liter
Distilled water	1000 ml
KH <sub>2</sub> PO <sub>4</sub>	1.0 g
MgSO <sub>4</sub> • 7 H <sub>2</sub> O	1.0 g
KNO <sub>3</sub>	0.5 g
Sucrose	20.0 g
Adjust pH to 4.5	
Agar	20.0 g
Autoclave, cool to 59 C, then add:	
PCNB	0.25 g
Neomycin	0.10 g (1.00 ml stock)
Streptomycin	0.30 g (1.00 ml stock)

Before autoclaving:

Place a stir bar in the media bottle. Add the water and the next four ingredients. Be sure that each goes into solution (stir or shake) before adding the next ingredient. Don't forget to adjust the pH.

After autoclaving:

Be sure that the media is cooled to 59 C before adding the antibiotics. Antibiotics are toxic - wear gloves.

Antibiotic prep:

**PCNB** - Make PCNB fresh each time. Weigh PCNB

(Sigma P-8556) on sterile foil in the hood. Place in sterile vial with small stir bar and 10 ml 95% ethanol. Stir until ready to add to medium. Note: PCNB will not dissolve completely.

**Neomycin** - Prepare a stock solution by combining 1.0 g of neomycin sulfate (Sigma N-3144) with 10 ml sterile distilled water in a sterile vial. Add 1.00 ml of stock to each liter of media. Store unused solution in the refrigerator.

**Streptomycin** - Prepare a stock solution by combining 3.0 g of streptomycin sulfate (Sigma S-6501) with 10 ml sterile distilled water in a sterile vial. Add 1.00 ml of stock to each liter of media. Store unused solution in the refrigerator.