



Culture media more frequently used

Carnation Leaf Agar (CLA) (Natural medium)

Procedure:

- 1) Leaf of non-treated (with pesticides) carnation plants are harvested and cut in fragments of 5-8 mm.
- 2) Leaf are dried in a oven at 70° C for 3-4 hours until they become fragile
- 3) Sterilize in plates or bags by gamma irradiation at 2.5 megarads.4) Place sterile carnation leaf fragments in Petri plates of 2% (20
- g/L) of water agar. (Five per plates).5) Conidia were produced in 7-10 days. Very important for diagnosis
- based in morphological features. Allow store cultures by a year.













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Carrot Agar Carrots (peel and washed) 400 g		Agar Spezieller Nährstoffarmer (SNA).	
Distilled water	500 ml	 KH₂PO4 	1 g
 Boil for 1 hour in distilled wate 	∃T.	 KNO₃ 	1 g
 Homogenize in a blender 		 MgSO₄•7H2O 	0.5 g
 Filter through fine sieve 		• KCI	0.5 g
 Add distilled water 	500 mL	Glucosa	0.2 g
Agar	20g	Sacarosa	0.2 g
 Autoclave at 121 °C for 20 min.(very important in order to destroid resistant 		 H₂0 destilada 	1L
spores).	resistaria	If piaces of Whatman #	1 filter paper are
3) Pour abundantly (15-17 mL for plates with		added, sporulation are stimulate.	
60 mm diammeter) because incubation period can reach six weeks		Recommended to achieve a stable conidial production and chlamydospore	
Recommended for sexual crosses generate teleomorph state	s in order to	formation.	



Isolation of Foc.

- \checkmark Isolations were made when vascular strands were dry.
- ✓ Place small sections 3-6 mm of discoulored vascular strand in Water Agar, weak PDA (25% strength) + streptomycin sulphate (100 ppm); or in K2 medium
- \checkmark Colonies shows up in a period of 2-4 days.











