

SNA (Synthetic Nutrient Poor Agar)



Medium used for the isolation and cultivation of *Fusarium* spp.

• CONTENTS (Liter)

Monopotassium Phosphate	1.0 g
Potassium Nitrate	1.0 g
Magnesium Sulfate	0.5 g
Potassium Chloride	0.5 g
Glucose	0.2 g
Saccharose	0.2 g
Agar	20.0 g
Final pH = 5.6 ± 0.2 at 25°C	

• PROCEDURE

Suspend 23.4 G of powder in 1 L of distilled or deionized water. Heat to boiling until completely dissolved. Sterilize by autoclave at 121°C for 15 minutes. Cool to 45 - 50°C in water bath. Mix well. Pour into petri dishes.

• INTERPRETATION

SNA (Synthetic Nutrient Poor Agar) is a medium used for the isolation and cultivation of *Fusarium* spp. Monopotassium phosphate is the buffering agent. Potassium nitrate, magnesium sulfate and potassium chloride provide complex ionic sources that makes the medium suitable for *Fusarium* spp. Potassium chloride supply electrolytes for bacterial survival. Glucose and saccharose are the carbohydrates. Agar is the solidifying agent.

• TECHNIC

Inoculate the specimen using a sterile loop to the medium. Incubate at 20 - 25°C up to 8 days. Refer appropriate references for recommended test procedure.

• QUALITY CONTROL FOR USE

Dehydrated medium

Appearance: free-flowing, homogeneous

Color: light beige

Prepared medium

Appearance: opalescent

Color: colorless to light amber

Incubation conditions: 20 - 25°C / up to 8 days

Microorganism	ATCC	Growth
<i>Fusarium oxysporum</i>	6084 (KCTC)	good

- **STORE**

The powder is very hygroscopic. Store the powder at room temperature, in a dry environment, in its original container tightly closed and use it before the expiry date on the label. Store prepared medium at 2 - 8°C.

- **REFERENCES**

1. Gerlach W, Nirenberg H. 1982. The genus *Fusarium*: a pictorial atlas. Mitteil. biol. Bundesanstalt für
2. Land- und Forstwirtschaft Berlin-Dahlem 209: 1-406. Parul Parey: Berlin

- **PACKAGE**

Cat. No : MB-S0785 SNA (Synthetic Nutrient Poor Agar)	500 G
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