Product Name : Komada Agar

Medium is used for the isolation and cultivation of *fusarium* spp. in the soil.

CONTENTS (G/L)

Dipotassium Phosphate 1.0
Potassium Chloride 0.5
Magnesium Sulfate Heptaanhydrate 0.5
D-Galactose 20.0
L-Asparagine 2.0
FeNa EDTA 0.01
Agar 15.0
Final pH = 7.5 ± 0.2 at 25°C.

PROCEDURE

Suspend 39.01 G of powder in 1 L of distilled or deionized water. Heat until completely dissolved. Sterilize by autoclave at 121°C for 15 minutes. Cool at 45-50°C in water bath. Aseptically add 2 vials of Komada Agar supplement A (MB-K0776) and 2 vials of Komada Agar supplement B (MB-K0777). Mix well. Dispense into sterile petri dishes.

Komada Agar supplement A
1 vial contents (Each vial is sufficient for 500mL of medium)
PCNB ..... 0.5 G
Oxgall ..... 0.25 G
Sodium tetraborate ..... 0.5 G
Streptomycin sulfate ..... 0.15 G

Komada Agar supplement B
Phosphoric acid ..... 0.47 mL

INTERPRETATION

Komada Agar is medium for the selective, cultivation and differential medium for the *fusarium* spp. in the soil. PCNB of the supplement is a selective agent used for protective fungicide recommended for control of certain soil born diseases.

TECHNIC

Inoculate the plates spreading the specimen on surface of the medium using a sterile loop. Incubate at 25 ± 1°C up to 10 days, under fluorescent light incubation.

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Product Name : Komada Agar

QUALITY CONTROL FOR USE

Dehydrated medium
Appearance: free flowing, homogeneous.
Color: beige.
Prepared medium
Appearance: slightly opalescent.
Color: light amber.
Incubation conditions: 25 ± 1°C / up to 10 days.

Microorganism	ATCC	Growth
Fusarium moniliforme	6149	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 or until signs of deterioration are evident. Store prepared plates at 2-6℃.

REFERENCES

1. KOMADA, H. 1975. Development of a selective emdiuj for quantiative isolation of Fusarium oxyporum from natural soil. Rev.Plant Prot.Res. 8:114-125.
2. MARTIN, J. P. 1950. Use of acid, rose bangal, and streptomycin in the plate method for estimating soil fungi. Soi, Sci, 69:215-232

PACKAGE

Komada Agar Cat. No : MB-K0720	500 G

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