

Product Name : Aspergillus Broth Base (AFPB Base)

A selective identification medium for the detection of *Aspergillus flavus* and *Aspergillus parasiticus* from food.

TYPICAL FORMULA (G/L)

Peptone10.0
Yeast Extract20.0
Ferric Ammonium Citrate0.5
Dichloran0.002
Final pH =6.3 ± 0.2 at 25°C.

DIRECTIONS

Suspend 30.5 G of powder in 1 L of distilled or deionized water. Heat to boiling and shake until completely dissolved. Sterilize in autoclave at 121°C for 15 minutes. Cool to 45-50°C. Aseptically 2 vials of Chloramphenicol supplement (MB-C1817). Mix well. Dispense into final containers.

Chloramphenicol supplement

1 Vial contents (Each vial is sufficient for 500 mL of medium)
Chloramphenicol 50.0 mg

DESCRIPTION

Aspergillus Broth Base (AFPB Base) is for isolating and enumerating yeasts and moulds in foods should support recovery of all viable propagules, restrict spreading moulds, inhibit bacterial growth and aid in the identification of the fungi.

TECHNIQUE

Inoculate and incubate at 30 ± 2°C for 43 hours.

QUALITY CONTROL

Dehydrated medium

Appearance: free-flowing, homogeneous.

Color: beige.

Prepared medium

Appearance: opalescent.

Color: amber.

Incubation conditions: at 30 ± 2°C / 43 hours.

Microorganism	ATCC	Growth
<i>Aspergillus flavus</i>	22547	good
<i>Aspergillus parasiticus</i>	28285	good
<i>Aspergillus niger</i>	16404	good
<i>Escherichia coli</i>	25922	none

Product Name : Aspergillus Broth Base (AFPB Base)

STORAGE

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 or contamination are evident. Store prepared tubes at 2-6°C.

REFERENCES

1. Beuchat, L. R. (1984) J. Food Protection 47: 512-519.
2. Pitt, J. I., Hocking, D. & Glenn, D. R. (1983) J. Appl. Bact. 54: 109-114.
3. Bothast, R. J. & Fennell, D. I. (1974) Mycologia 66: 365-369.
4. King, D. A., Hocking, A. D. & Pitt, J. I. (1979) J. Appl. & Environ. Microbiol. 37: 959-964.
5. Jarvis, B. (1973) J. Appl. Bact. 36: 723-727.

PACKAGING

Cat. No : MB-A0706 Aspergillus Broth Base (AFPB Base)	500 G
--	-------