

Product Name : K Broth

Medium for the maintenance and cultivation of *Actinomyces*.

CONTENTS (G/L)

Soluble Starch 25.0
Soy peptone 15.0
Yeast Extract 2.0
Calcium Carbonate 4.0
Final PH = 6.6 ± 0.4 at 25 °C.

PROCEDURE

Suspend 46.0 G 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. Dispense into tube.

INTERPRETATION

K Broth is the medium for the cultivation of *Actinomyces*. Starch provides complex carbohydrate source. Soy peptone and yeast extract provide nitrogen, carbon, vitamins and minerals. Calcium carbonate acts as neutralization reagent.

TECHNIC

Inoculate the specimen with stab using a sterilized needle to the medium. Shake gently for spreading microorganisms. Incubate at 28 ± 1°C for 40-72 hours up to 7 days.

QUALITY CONTROL FOR USE

Dehydrated medium

Appearance: free-flowing, homogeneous.

Color: beige.

Prepared medium

Appearance: supernatant over a heavy white precipitate.

Color: amber.

Incubation conditions: 28 ± 1°C / 40-72 hours up to 7 days.

Microorganism	ATCC	Inoculum CFU	Growth
<i>Streptomyces albus</i>	3004	50-100	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 medium at 2-6°C.

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REFERENCES

1. Brown, McNeil and Desmond. 1999. In Murray, Baron, Pfaller, Tenover and Tenover (ed.), Manual of clinical microbiology, 7th ed. American Society for Microbiology, Washington, D.C.

PACKAGE

Cat. No : MB-K0670 K Broth	500 G
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