

NAC Broth



Medium used for the isolation of *Pseudomonas aeruginosa*.

• CONTENTS (Liter)

Peptone	20.0 g
Nalidixic Acid	0.015 g
Magnesium Sulfate	0.2 g
Dipotassium Phosphate	0.3 g
Cetrimide	0.2 g
Final pH = 7.4 ± 0.1 at 25°C.	

• PROCEDURE

Suspend 20.7 G of powder in 1 L of distilled or deionized water. Heat to boiling until completely dissolved. DO NOT AUTOCLAVE. Cool to 45-50°C in water bath. Mix well. Dispense in tubes.

• INTERPRETATION

NAC Broth is a medium for the isolation of *Pseudomonas aeruginosa*. Peptone provides nitrogen, carbon, vitamins and minerals. Nalidixic acid and cetrimide is the selective agent. Both gram-positive and gram-negative bacteria other than *Pseudomonas aeruginosa* are almost inhibited on the medium. Magnesium sulfate stimulates pyocyanin production.

• TECHNIC

Inoculate the specimen with stab using a sterile needle to the medium. Shake gently for spreading microorganism. Incubate at 35 ± 2°C for 24 - 48 hours. Refer appropriate references for recommended test procedure.

• QUALITY CONTROL FOR USE

Dehydrated medium

Appearance: free-flowing, homogeneous.

Color: light beige.

Prepared medium

Appearance: clear to slightly opalescent.

Color: light amber.

Incubation conditions: 35 ± 2°C / 24 - 48 hours

Microorganism	ATCC	Inoculum CFU	Growth
<i>Pseudomonas aeruginosa</i>	27853	50-100	good
<i>Escherichia coli</i>	25922	≥10 ³	inhibited

• 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 or contamination are evident. Store prepared medium at 2-8°C.

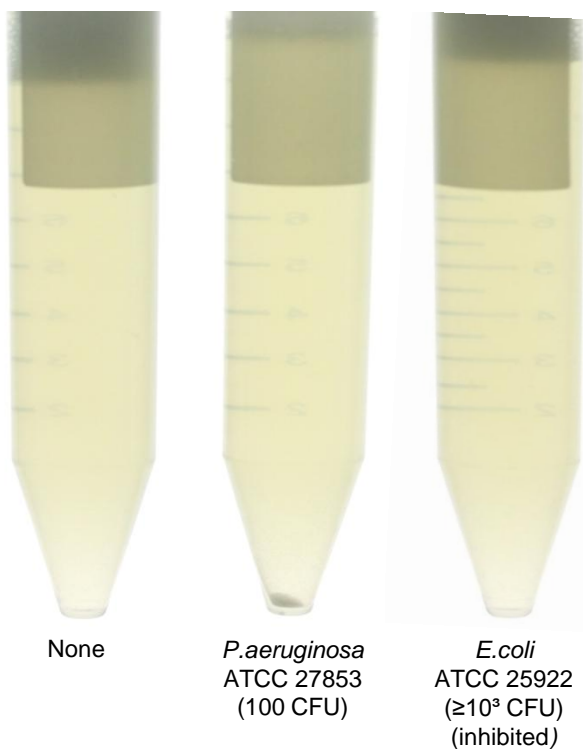
• REFERENCES

1. Refer to the KFCC.

• PACKAGE

Cat. No : MB-N0869 NAC Broth	500 G
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• MICROBIAL CULTURE IMAGES



Incubation conditions : $35 \pm 2^\circ\text{C}$ 18 - 72hr