

## CAR TEST - KIT FOR THE RESEARCH OF ANTIBACTERIAL SUBSTANCES

Kit for the search for antibacterial substances in feed, meat, eggs and any other matrices.

### DESCRIPTION

The medium, indicated by the D.M. 10/03/97 Annex IX, allows to detect the presence of antibacterial substances in feed, meat, eggs and any other matrices. The presence of antibacterial substances is detected by the formation of a halo of inhibition of the growth of microorganisms.

### PRESENTATION

**Packaging**
**REF.**
**CAR TEST**
**64100**
**20 Test**

### KIT CONTENTS

Culture medium	2 x 9 mL Tubes
Culture medium	2 x 18 mL Tubes
60 mm Plates	2 pcs
90 mm Plates	2 pcs
Bacillus Subtilis (BGA) Spore Suspension	1 Vial
Trimethoprim Solution	1 Vial
Positive control	4 Discs

### WARNING AND PRECAUTIONS

Observe the precautions normally taken when handling laboratory reagents.

**Safety Data Sheet** is available on request for professional users.

All wast must be disposed of according to local directives.

### STORAGE AND STABILITY

**CAR TEST:** 2-8°C

The product is stable until the expiration date indicated on the label under the recommended storage conditions.

### PROCEDURE

**1)** Dissolve the culture medium contained in the test tube in a boiling water bath and then stabilize the temperature at 50 ° C.

**2.1)** Add 0.09 mL of Trimethoprim solution and 0.138 mL of Bacillus subtilis spore suspension to the test tube (containing 9 ml of medium) with a sterile pipette. Stir slowly to evenly distribute the solution and suspension. Distribute the contents of the test tube in the 60 mm Petri dish and allow to solidify.

**2.2)** Add 0.18 mL of Trimethoprim solution and 0.277 mL of Bacillus subtilis spore suspension to the test tube (containing 18 mL of medium) with a sterile pipette. Stir slowly to evenly distribute the solution and suspension. Distribute the contents of the tube in the 90 mm Petri dish and allow to solidify.

**3)** Arrange the material under examination on the surface of the agar.

**4)** Add a positive control disk.

**5)** Incubate at 30 ° C ± 1 ° C for 24 hours.

**6)** Carefully observe against the light the possible presence of inhibition halo.

### RESULTS

**Positive result:** samples showing an inhibition zone > 2 mm are considered positive for inhibitors (antibiotics or substances with antibacterial activity).

**Negative result:** the absence of an inhibition zone or the presence of an inhibition zone of less than 2 mm around the sample under examination is to be interpreted as a negative test: absence of chemoantibiotics or substances with antibacterial activity or as a lack of demonstration of these substances because they are present at a concentration lower than the sensitivity of the method.

### QUALITY CONTROL

In accordance with the predefined Company Quality System, each lot of CAR TEST is tested against predetermined specifications to ensure consistent product quality.

Typical response after incubation at 30±1°C for 24 hours, in aerobiosis

CONTROL	RESULT
POSITIVE CONTROL	Inhibition halo > 2mm
NEGATIVE CONTROL	Absence of inhibition halo OR Inhibition halo < 2mm

### REFERENCES

- D.M. 10.03.97 All. IX

### SYMBOLS



Read the instructions



Biological hazard



CE Mark (product complies with the requirements of Regulation (EU) 746/2017)



Temperature limitation



Use by



For in vitro diagnostic use



Manufacturer