

## NITROCEFİN STRIPS

REF: C53MR1015

IVD

Diagnostic strip for microbiology

### SUMMARY AND EXPLANATION

NITROCEFİN is detection strip for detection of  $\beta$ -lactamase enzyme in anaerobic bacteria, *Neisseria gonorrhoeae*, *Moraxella catarrhalis*, *Haemophilus influenzae*, *Staphylococcus* etc.

### PRINCIPLE

Detection strip shows colour change from yellow to red colour due to shift of electrons in the structure of the chromogenic cephalosporin NITROCEFİN indicating positive test result of tested microorganism.

### DIAGNOSTIC KIT CONTAINS

- 50 test strips for 50 determinations
- information leaflet

### WARNINGS AND SAFETY PRECAUTIONS

- For in vitro diagnostics use.
- For professional use only.
- Follow the instructions exactly!
- Used strips should be considered as potentially infectious and obvious valid regulations must be respected when handling.
- Observe common safety measures according to the regulations of your country.
- Before use, check if the packaging is intact. Do not use damaged kit.

### STORAGE

- Nitrocefın have to be stored in freezer below  $-10^{\circ}\text{C}$ .
- Expiration date is placed on the label of each package.
- Allow to equilibrate to room temperature before opening. Prevent condensation of humidity on the surface of the tube.
- Immediately after the use of tube with detection strips, close it carefully and give it to refrigerator. Used tubes of product can be stored at temperatures from  $+2$  to  $+8^{\circ}\text{C}$ .
- Expiration of NITROCEFİN can be extended by storing at temperatures below  $-20^{\circ}\text{C}$ .

### RECOMMENDED PROCEDURE:

1. Take 1-2 colonies from pure 24 hours bacterial culture by an inoculation loop and spread them on the reaction zone of the detection strip. In case, zone can be moisten by small amount of water.
2. Evaluate colour change after 3-5 minutes.

### INTERPRETATION OF REACTION

Red colour indicates positive result of the INITROCEFİN test.

For the need of own proof function, use following recommend bacterial strains:

Bacterial strain	CCM / ATCC	NITROCEFİN	Colour
<i>Staphylococcus aureus</i>	4223 / 29213	+	red

TIP: use negative control – follow recommended procedure, but without bacterial culture.

Kit components doesn't contain hazardous substances.

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