

Catalase / Oxy Test



Kit used for the identification and determination of catalase and peroxidase enzymes.

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Catalase / Oxy Test	30 tubes
H ₂ O ₂ Reagent	10 mL
Physiological Solution	7 mL
1 Instruction sheet	
Storage condition : Store at 2 - 6°C	

• PROCEDURE

1. Take one tube of Catalase / Oxy Test from the package and let it reach room temperature.
2. Add 0.2 mL of Physiological Solution.
3. Inoculate using a sterile loop a well-isolated colony from an agar plate culture medium. Gently mix until completely dissolved. Wait for 1 - 5 minutes.
4. Add 4 - 5 drops of H₂O₂ Reagent.

• INTERPRETATION

Catalase / Oxy Test is a kit used for the identification and determination of catalase and peroxidase enzymes. Catalase / Oxy Test represents the substratum for enzymatic activity of catalase and peroxidase. Observe the turning of the color of the suspension to pink-red in one minute (Peroxidase Test) and observe the development of bubbles on the surface of the suspension (Catalase Test).

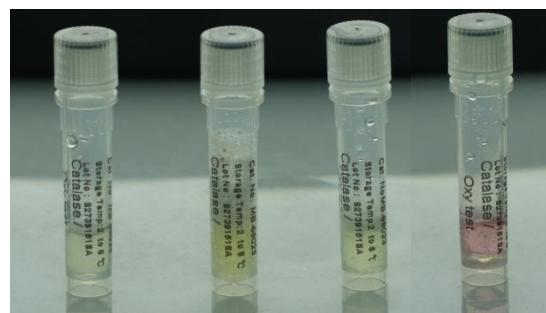
• QUALITY CONTROL FOR USE

Appearance : powder

Color : white

Incubation conditions : RT / 1 - 5 minutes

Microorganism		Pink-Red color (Peroxidase Test)	Bubbles (Catalase Test)
<i>Escherichia coli</i>	ATCC 25922	-	-
<i>Staphylococcus aureus</i>	ATCC 25923	-	+
<i>Listeria monocytogenes</i>	ATCC 15313	-	+
<i>Pseudomonas aeruginosa</i>	ATCC 27853	+	+



• STORE

Store Catalase / Oxy Test at 2 - 6°C away from light in its original package. Keep away from sources of heat and avoid excessive changes of temperature. Use it before the expiry date on the label.

• REFERENCES

1. Galeazzi L., Grill G., Turchetti G., Groppa G., Giunta S.: High Reactivity of the Chlorpromazine/Hydrogen Peroxidase Test with Cytochrome Oxydase-Positive Bacteria. Fems Microbiology Letters 56 (1988) 317-320. Pub. By Elsevier.

• PACKAGE

Cat. No : MB-88023 Catalase / Oxy Test	30 Tests
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