

Hydroxy Peroxide Meter

SUPER ORITECTOR®

Model 5



ORITECTOR® is able to determine minute quantities of residual hydrogen peroxide in food rapidly, easily and selectively by using the sensitive oxygen electrode method.

It also analyzes catalase activity to determine residues in herring roe and liquid milk.

It is applicable for quality control, research and experiments.

Features

1. Small amount of hydroxy peroxide can be measured to the level of -0.01 ppm in liquid or 0.1 ppm in solid.
2. It takes only about 10 minutes (liquid) or about 20 minutes (solid) including preparation time, while it takes 3 hours with the conventional 'improved 4-aminoantipyrine (4-AA) colorimetric method'.
3. Preparation of materials is simple (not necessary for milk). Muddiness and color will not affect the results.
4. It selectively detects hydroxy peroxide.
5. The measured value is digitally displayed for simple reading.
6. It can be easily operated using the guidance indicator.
7. No recorder is necessary since the data can be printed out by a printer.
8. Catalase activity can be measured with optional software.

Main Purposes

- To check residual hydroxy peroxide in food
- Sanitary control of packing materials
- To check residual catalase in food (herring roe, liquid milk etc.)

Specifications

Oxygen electrode:	Polarograph type film oxygen electrode
Reactor cell capacity:	About 2.0 ml
Data indicator:	Indicate data in three digit
Recorder output:	0 – 100mV
Thermocontrol:	Thermoconsistent water cycle
Power source:	AC 100V, 50/60Hz
Machine size:	300(W) x 190(D) x 163(H) mm
Machine weight:	About 3.5kg

Standard accessories

Catalase	1	50ml
Antifoaming silicone	1	15ml
Microsyringe	1	MS-50 (Itoh co.)
Bubbling bottle	2	
Bubbling cap	2	Cut pipe attached
Bubbling table	1	Acryl
Sceptam	2	Silicon rubber
Plastic tube	1	2.0mm x 3.0mm 30cm
Plastic tube	2	3.0mm x 5.0mm 1M
Poly pipette	2	5ml
Tube connector	1	Polypropylene
Stirring bar	2	10mm Acryl
Film	1	1 mil, 10 sheets
Electrolyte for polaro	2	50ml
O ring	1	Nitril rubber S8 x 2, P8 x 2
Polisher	2	50g
Machine cover	1	



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