



Inspissator

TBT-T100IN

Inspissator for the production of tuberculosis culture medium

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Production of tuberculosis culture medium

Convenient and effective system designed to produce large batches of uniform tuberculosis culture medium four to six times per day. Vessels containing culture medium are incubated on a shallow tray that is in contact with water held at a constant temperature of 85°C within a tank, to allow the temperature of the vessels to remain constant. Inspissation takes 50 minutes at 85°C.



Constant level device maintains required liquid level for optimal operation.

Water temperature under the tray is controlled by a digital heated circulator for accuracy and reproducibility of set temperature. All moving parts are incorporated in the control unit which is easily removed for cleaning.

Clear 4 digit display - easy to read from a distance for instant re-assurance.



Product highlights

- Temperature range: ambient +5°C to 100°C
- Standard temperature: 85°C
- Robust durable design, with digital temperature control
- Capacity for up to 156 test tubes (16mm diameter x 150mm long) or 162 universal containers



An insect resistant blanket and quilt are placed over the containers to provide thermal insulation and exclude draughts.

Robust and durable construction - the tray, tank and outer case are made of polished stainless steel.

A fixed over temperature cut-out protects users, valuable samples and the workplace.

Developed in conjunction with Professor Mitchison of the Royal Postgraduate Medical School of London University and used in a number of tuberculosis laboratories which are assisted by the World Health Organisation (WHO).

According to the WHO statistics, TB kills more young people and adults than any other infectious disease in the world. It causes more deaths than AIDS and Malaria combined. Although the use of penicillin and antibiotics have caused the decline of this disease in some countries, hot spots of this illness still exist in eastern Europe, south east Asia and sub-Saharan Africa. Numbers that were appearing to decrease began to rise again in the 1980's with the emergence of AIDS. Scientists now say that the number of people with TB around the world has reached a ten-year high. The very cost-effective Grant Inspissator means that it is used extensively in these areas and assists in the diagnosis of this serious disease.

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Technical specifications



		TBT-T100IN
		Inspissator
Dimensions	h x d x w mm	380 x 600 x 1040
Weight	kg	43
Temperature range	°C	Ambient +5 to 100
Standard temperature	°C	85
Uniformity	±°C	0.7 (tray)
Display		LED
Display resolution	°C	0.1
Heat up time 20 to 85°C	hrs	3 hrs
Working area/tank opening	mm	820 x 594
Tank capacity (nominal)	L	45
Safety (over temperature protection)		Fixed cut-out
Electrical power	230V 50Hz W	1400
	120V 60Hz W	1500
Heater power	230V W	1290
	120V W	1440
Voltage	V	120 or 230
Weight	kg	43

Contact us today

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