

19 Inspissator

TBT-T100IN

Inspissator for the production of tuberculosis culture medium



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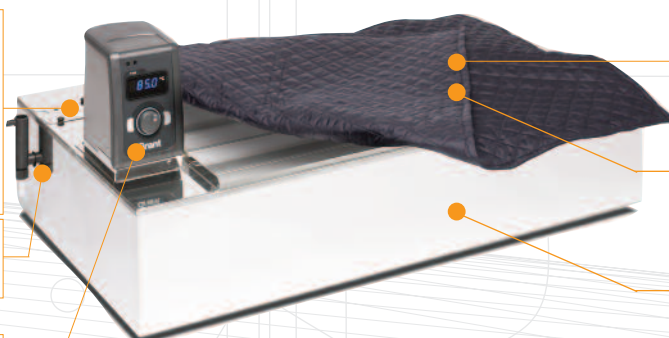
Convenient and effective system designed to produce large batches of uniform tuberculosis culture medium four to six times per day. Vessels containing culture medium are incubated on a shallow tray which is in contact with water held at a constant temperature of 85°C within a tank, ensuring that the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

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

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

Constant level device maintains required liquid level for optimal operation

Clear 4 digit display - easy to read from a distance for instant reassurance



Grant Inspissator TBT-T100IN

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

A fixed over temperature cutout protects users, valuable samples and the workplace


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

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 statistics of the WHO, 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 seemingly beginning to decrease began to rise 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.

Inpissator » Specifications

Inpissator – models and specifications

			Inpissator
			TBT-T100IN
			 <div style="display: inline-block; vertical-align: middle; margin-left: 10px;"> <p>h: 380 mm d: 600 mm w: 1040 mm</p> </div>
Standard temperature	°C		85
Temperature range	°C		ambient +5 to 100
Uniformity	°C		±0.7 (tray)
Display			LED
Display resolution	°C		0.1
Heat up time	20 to 85°C	hrs	3.5
Working area/tank opening		mm	820 x 594
Tank capacity (nominal)		L	45
Safety	over temperature protection		fixed cut-out
Electrical power	120V / 230 V @ 50-60 Hz	kW	1.5/1.4
Heater power	120V / 230 V	kW	1.4/1.3
Voltage		V	120 or 230

