



SCIENTIFIC

"WHERE MEASUREMENT IS PARAMOUNT TO SUCCESS"

ESTABLISHED SINCE 1969

NATA ACCREDITED LABORATORY : Reg. No.411

C.I. SCIENTIFIC

A.B.N. 92 745 752 540

Unit 11 / 4 Garling Rd. Kings Park NSW 2148

Ph: +61 2 9621 8900 or **1300 CALL 4 CI**

Fax: +61 2 9621 8933 (1300 2255 4 24)

E: info@ciscientific.com

Web: www.ciscientific.com.au

NATA CERTIFICATION REPORT FOR AUTOCLAVE

Report No: 4368
Maker: Labec
Model: AA18
Serial No: M001
Location: Laboratory

Test Method: *The Instrument was calibrated based on Technical Note 5 & C.I.'s Internal Procedure Section 5.9 with consideration also given to particular customer requirements.*

Mean Ambient Temperature: 22 °C

Calibrated by: R.Payne
Date: 13.05.14
Date Issued: 22/05/2014

Uncertainties: *The measurement uncertainties are based at the 95% confidence level.*

NOTE: *Please refer to the graphs and notes provided to obtain the maximum temperature duration.*

The obtained readings on the report are true and correct at the time of Test.

For further information please contact Jurgen Cyrulla on 1300 2255 424

The results of the tests, calibrations and/or measurements included in this document are traceable to Australian/national standards.
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with ISO/IEC 17025:2005
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REPORT No: 4368

Description of Equipment TYPE OF AUTOCLAVE: Floor: YES Bench: N/A
 Other: N/A
 INTERNAL DIMENSIONS (in cm): 40x40 NUMBER OF SHELVES/TRAYS: 1
 TEMPERATURE CONTROLLED Digital READABILITY IN °C: 1

Location of Shelves/Trays:		
TOP	MIDDLE	BOTTOM
N/A	N/A	YES
Description if Different from above:		
LOAD DESCRIPTION:	Waste: <input type="text" value="N/A"/>	Media: <input type="text" value="N/A"/> Liquid: <input type="text"/>
	Other:	

Location of Load including Spacing:	
Top Tray:	N/A
Middle Tray:	N/A
Bottom Tray:	3 x loggers spaced evenly apart from front to back in 250ml, 500ml, 1000ml of liquid
Other:	N/A

HOT START: YES COLD START: N/A
 TIME OF DAY WHEN THE TEST WAS INITIATED (24 hours): 12:23
 TIME OF DAY WHEN THE SET TEMPERATURE WAS REACHED (24 hours): 12:54

(For timer Settings explanation please refer to pg 3 of 3 in the notes page)

START OF TIMER (Holding time) : 12:54 END OF TIMER: 13:19
 CUSTOMER SPECIFIED STERILISATION TIME: 0:15 Hrs/Min TIMER SETTING(in Min): 0:25
 HEAT PENETRATION TIME: 0:00 Hrs/Min

STERILISATION TIME: 0:15 Hrs/Min

Required timer setting necessary to achieve the "Heat Penetration Time" of the whole load. (See Pg.3 of 3 Notes) :

LOGGER S/N: P37092 P37093 P37086

NUMBERS OF LOGGERS or PROBES: 3 LOGGING INTERVAL (sec): 30

CLIENT REQUIREMENT DESCRIPTION: 121

ALL TEMPERATURES IN DEGREES CELSIUS.

CONTROLLER SETTING: 123 INDICATED TEMPERATURE: 123

Indicated Pressure on Built In Gauge: 120 kPa Observation only.
 (Not Accredited for Pressure)

MINIMUM TEMPERATURE REPORTED IS AT START OF CYCLE:

Comments: Temperature drops may occur after the start of the timing cycle. This could be the result of numerous unpredictable scenarios of load behaviour.

Placement of Logger :	Min.Temp.	Max.Temp.	Placement of Logger :	Min.Temp.	Max.Temp.
Logger 1: FRONT (1000ml)	P37092	122	122		
Logger 2: MIDDLE (500ml)	P37093	122	123		
Logger 3: BACK (250ml)	P37086	122	123		

Uncertainty of Measurement at 95% confidence +/-: 0.9 °C K-Factor: 2.06

This laboratory is accredited by the NATIONAL ASSOCIATION OF TESTING AUTHORITIES, AUSTRALIA.

The work reported herein has been performed in accordance with its terms of accreditation.

The tests, calibration or measurements covered by this document are traceable to

AUSTRALIAN NATIONAL STANDARDS OF MEASUREMENT.

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Important: *The minimum/maximum Temperature on the report may or may not be for the whole duration of the Timing cycle, recalculate if the Temperature or the Timing cycle has to be increased to meet the set Temperature for the Sterilizing Test.*

Notes:

1. Laboratory measurements are traceable through National Standards referenced to The International Temperature Scale of 1990 (ITS-90) & Dr Denker TDM 900 100/25 Reference Thermometer certification Report # RN071485
2. The calibration data applies only to the type & conditions existing at the time of test (ambient temperature, placement of load, state of the instrument, etc) and those resulting from the use of the specified test method.
3. Deviation from Technical Note 5: Cooling the load or drying the load is not monitored.
4. "Sterilisation temp. at one of the tested points was not reached"- Please check your graphs and adjust your timer setting appropriately and organise to have the equipment retested.

Definitions:

Sterilisation Time: The sum of the heat penetration time and the holding time. This is specified by the client.

Holding Time: The time that is required at a specified temperature to achieve the desired level of sterility assurance & as specified by the client.

Heat Penetration Time: The time required for the whole of the load to reach the sterilisation temperature after the chamber has reached this temperature, if "0:00" it means that the load reached the temperature in the specified time.

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For and on behalf of
C.I. SCIENTIFIC
Approved signatory
Jurgen Cyrulla



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