

LMS

by dulas Life Sciences



**Reliable and
accurate
temperature
control**

dulas.org.uk





Tissue culture

Immunology



Fruit fly culture

Sample storage

Product shelf life tests



B.O.D. tests

Enzyme testing

Serum studies



Growth pattern studies

Seed germination
and vernalisation

About us

Our cooled incubators offer optimum temperature control from -10°C to +50°C with an average variation of 0.5°C and fluctuation of 0.1°C, or 0°C to +60°C upon request.

LMS has been producing scientific incubation products since 1979. Now renowned for their quality and longevity, our cooled incubators are used all over the world for a range of bio-scientific needs – from tissue and fruit fly cultures, to enzyme testing and seed storage. All equipment is manufactured in our own UK factory, which gives us the flexibility to accommodate a range of specification requirements.

Our wide range of models are available in various sizes, materials and capabilities, with each one giving you accurate and reliable temperature control for incubation. Our bespoke service allows you to tailor every product to your specific needs, offering unrivalled flexibility to suit the requirements of any laboratory.

Reliable and accurate temperature control

Our cooled incubators offer optimum temperature control from -10°C to +50°C with an average variation of 0.5°C and fluctuation of 0.1°C

As standard:

Flexible temperature control parameters

Parameters set to your specification if needed

Door lock

Preventing unauthorised access

Fan assisted air circulation

Keeping temperatures consistent

Choice of interiors and exteriors

Plastic for ease of clean, Aluminium or white coated to reflect light

Hermetically sealed refrigeration system

Air-tight to avoid controlled temperature loss

Wire shelves

For optimum airflow

Defrost

Automatic, with a manual override option built in

Self-evaporating condensate drip-tray

Eliminating the pooling of moisture

RJ 45 interface for remote access (wired)

User friendly control enables performance visibility and parameter changes

Full P.I.D. heating/cooling control

Optimising power usage when needed

Pre-set 70°C safety cutout

Safeguarding from over heating

Electronics RF and TV suppressed

Safeguarding from over heating

Fruit fly modification

Prevents corrosion caused by fruit fly

Access porthole

For additional temperature probes



 **MADE IN
BRITAIN**®



Built to your requirements

Your optional extras:

Programmable controller

Allows control over temperature and lighting

Dual temperature control

For day - night environments

Double glazed door

For visibility whilst avoiding door open events*

*Selected models only, glass door temperature range 0°C to 40°C

Inner perspex door

Reduces temperature loss whilst viewing contents

Extra shelves

For increased storage

Fully programmable interior illumination

To simulate your required environment

Independent 24 hour / 7 day timer

For complete control

High / Low A/V alarm

Warning alarms to safeguard your contents

Integral chart recorder

For recording data

Internal 13A socket (EU/UK)

Flexible power options

Drying mode

Reducing moisture

Corrosive conditions evaporator

Preventing deterioration

Pre-programming service

Temperature and lighting pre-programmed to your specification

Specifications



Series 1A

Model	80	120	201	280
Finish	White exterior			
Standard				
Capacity (L)	76	120	201	272
Material	Powder coated white mild steel			
Chamber material	Pre-coated aluminium			
Temperature range	-10°C to +50°C	-10°C to +50°C	-10°C to +50°C	-10°C to +50°C
Accuracy	± 0.5°C	± 0.5°C	± 0.5°C	± 0.5°C
Exterior size (mm) H x W x D	780 x 520 x 680	1080 x 520 x 680	1430 x 520 x 680	1750 x 520 x 680
Shelf size (mm)	420 x 386	420 x 386	420 x 386	420 x 386
Weight (kg)	40	55	65	75
No. of shelves	2	3	4	5
Fruit fly modification	•	•	•	•
Access porthole	•	•	•	•
Optional extras				
Programmable controller	•	•	•	•
Dual temperature control	•	•	•	•
Double glazed door*	-	-	-	-
Inner perspex door	•	•	•	•
Extra shelves	•	•	•	•
Fully programmable interior illumination	•	•	•	•
Independent 24 hour / 7 day timer	•	•	•	•
High / Low A/V alarm	•	•	•	•
Integral chart recorder	•	•	•	•
Internal 13A socket (EU/UK)	•	•	•	•
Drying mode	•	•	•	•
Corrosive conditions evaporator	•	•	•	•
Pre-programming service	•	•	•	•



Series 2

[illegible]



Series 3

100

200

300

400

Stainless steel interior and white exterior

100

227

290

450

Powder coated white mild steel

Stainless steel

-10°C to +50°C

-10°C to +50°C

-10°C to +50°C

-10°C to +50°C

± 0.5°C

± 0.5°C

± 0.5°C

± 0.5°C

800 x 610 x 630

1550 x 680 x 670

1810 x 680 x 670

1810 x 690 x 920

530 x 400

510 x 390

510 x 390

510 x 600

50

125

130

140

2

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Series 4

600

1200

Stainless steel interior and white exterior

600

1200

Stainless steel

Stainless steel

-10°C to +50°C

-10°C to +50°C

± 0.5°C

± 0.5°C

2080 x 800 x 900

1550 x 680 x 670

530 x 550

510 x 390

160

235

5

10

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XAL

410XAL

White interior and exterior

450

Powder coated white mild steel

Pre-coated aluminium

-10°C to +50°C

± 0.5°C

1810 x 690 x 920

530 x 600

140

4

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WolfLabs

Pricing on any accessories shown can be found by keying the part number into the search box on our website.

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

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Please contact us if this literature doesn't answer all your questions.