



Laboratory Refrigerators

*Designed and manufactured in Australia by
Thermoline*

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Proudly Family- Owned and Operated

Today, we remain a proud second-
generation family business



A family
owned
Australian
business



Laboratory Refrigerators

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The Thermoline Laboratory Refrigerator range is designed and manufactured to provide safe and precise temperature conditions for the items stored inside. Designed to operate between +4°C to +10°C with alarms set at 3°C above and below the setpoint, the Thermoline Laboratory Refrigerators offer an industry standard in cold laboratory storage. Additionally the range is registered as Medical Devices, Class I and are listed in the ARTG, 299160.

- **Models available:**

Thermoline has six laboratory refrigerators available, with the 520L to 1500L models all designed and manufactured in Australia. These models are economical and simple to use making them an ideal choice for all products and samples requiring reliable refrigerated storage.



- **Maximum & Minimum Temperature Logging:**

The Dixell XR70 has a built-in temperature log that records the minimum and maximum temperatures. This helps to monitor temperature fluctuations for reporting purposes.



- **Fan Forced air circulation:**

All lab fridges feature fan-forced air circulation. This results in a fantastic temperature spatial uniformity and quick recovery times after door openings.



- **Stainless Steel Interior:**

Stainless steel is durable, easy to clean and resistant to corrosion, making it the perfect choice for cool environments. Stainless steel is used in all premium models (520-1500L) to ensure the most corrosive resistant liner possible. The remaining 145L and 200L fridges have an attractive white powder coated finish.

- **Frost Free Operation:**

All models feature frost-free operation to prevent ice accumulation, maintaining stable temperature conditions and reducing the need for manual defrosting.





CLEAN CONDENSER REGULARLY
TO ENSURE EFFICIENT
OPERATION OF THIS EQUIPMENT

Thermoline
SCIENTIFIC

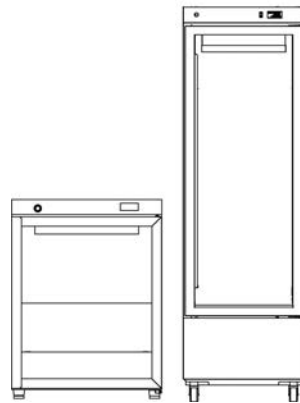
STOP
DO NOT OPEN DOOR UNTIL YOU KNOW
WHICH VACCINES YOU NEED AND WHERE
THEY ARE LOCATED.
Vaccines must be stored between 2°C and 8°C to
guarantee their potency.
Read and record refrigerator temperature twice daily.
Report to authorized service manager if refrigerator
temperature fluctuates outside the 2°C to 8°C range.
DO NOT USE OR INCUBATE VACCINES unless advised
to do so by your state/territory health department.

LABORATORY REFRIGERATOR

OPERATION INSTRUCTIONS
1. Check the door seal for proper fit and function.
2. Do not store vaccines in the refrigerator.
3. Do not store vaccines in the freezer.
4. Do not store vaccines in the door.
5. Do not store vaccines in the drawers.
6. Do not store vaccines in the bins.
7. Do not store vaccines in the shelves.
8. Do not store vaccines in the drawers.
9. Do not store vaccines in the bins.
10. Do not store vaccines in the shelves.

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Dimensions

External

TLR-145-1-(GD/SD)

TLR-200-1-(GD/SD)

WxDxH (mm)

600x600x800

560x580x1590

Internal

WxDxH (mm)

530x430x620

440x420x1080

Spacing

TLR-145

TLR-200

Front (mm)

600

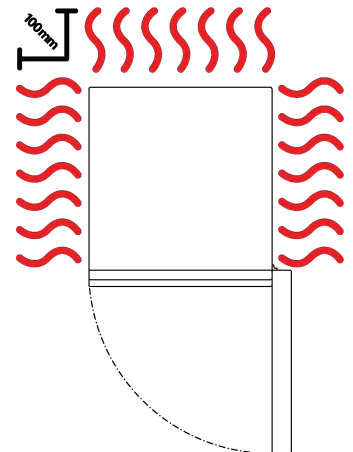
560

Back (mm)

100

Sides (mm)

100

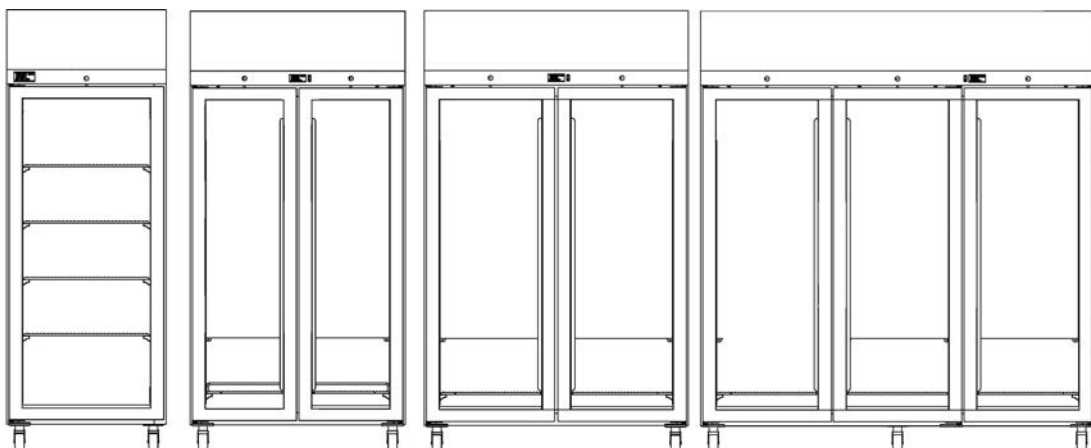


See our Pharmacy Refrigerator Range.

Designed specifically for vaccine storage at temperatures between +2°C and +8°C

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Dimensions

External

TLR-520-1-(GD/SD) TLR-750-2-(GD/SD) TLR-950-2-(GD/SD) TLR-1500-3-(GD/SD)

WxDxH(mm)

740x740x2010 1010x740x2010 1230x740x2010 1830x740x2010

Internal

WxDxH(mm)

590x530x1430 850x530x1430 1080x530x1430 1680x530x1430

Clearance

TLR-520 TLR-750 TLR-950 TLR-1500

Front (mm)

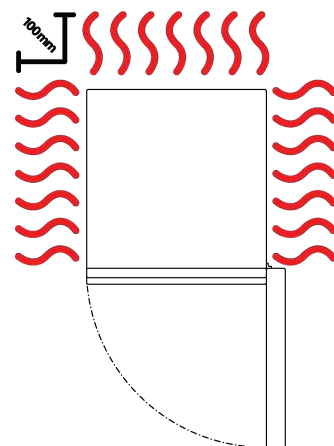
740 500 610 610

Back (mm)

100

Sides (mm)

100



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Technical Specifications

	TLR-145	TLR-200
Temperature Range	+4°C to +10°C	
Temperature Display Stability	+/- 0.5°C	
Temperature Uniformity	+/- 2.0°C	
Electrical	0.9A/230V	2.5A/230V
Nominal Capacity	145L	200L
Weight	65kg	90kg
Heat Output (Watts)	240	300
Noise Level @ 1 metre (dbA)	40	53
Power Consumption (kWh/24)	1.5	3.6
Refrigerant Type	R134a	

	TLR-520	TLR-750	TLR-950	TLR-1500
Temperature Range	+4°C to +10°C			
Temperature Display Stability	+/- 0.5°C			
Temperature Uniformity	+/- 2.0°C	+/- 2.5°C		+/- 3.0°C
Electrical	2.8A/230V	3.8A/230V	3.8A/230V	5.4A/230V
Nominal Capacity	520L	750L	950L	1500L
Weight	160kg	190kg	220kg	290kg
Heat Output (Watts)	490	850	850	1050
Noise Level @ 1 metre (dbA)	64	67	67	67
Power Consumption (kWh/24)	4.4	6.0	6.0	8.5
Refrigerant Type	R134a			

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Features	TLR-145	TLR-200	TLR-520	TLR-750/950	TLR-1500
Shelves (max @100mm spacing)	4 (max 4)	5 (max 6)	4 (max 11)	4 levels (max 11)	4 levels (max 11)
Castors	X	Rear Rollers	✓	✓	✓
Porthole Diameter	13mm				
Internal Fan	✓	✓	✓	✓	✓
Door Locks	✓	✓	✓	✓	✓
BMS Plug	✓	✓	✓	✓	✓
Ecofoam Insulation	✓	✓	✓	✓	✓
Safety					
Over Current Protection	✓	✓	✓	✓	✓
Over Temperature Safety	✓	✓	✓	✓	✓
Options					
Glass or Solid Doors	Nomenclature designations: Glass Door (GD), Solid Door (SD)				
LTPC: Low Temp Cut Out	Low Temperature Protection Cut Out. This option is designed to prevent products inside the fridge from freezing (extremely important for the storage of vaccines).				
Chart Recorder	7 Day Chart Recorder with Battery Backup 145L/200L: Flying Lead, 360L/520L-1500L: Built into top panel				
Additional Port Holes	Additional 13mm port holes or 50mm port holes can be added to the side walls				
Spark Proof	Removal of all internal ignition sources making the inside spark proof				
Stainless Exterior	X	X	✓	✓	✓





Thermoline
LABORATORY REFRIGERATOR



Information label with technical specifications and safety instructions.

Caution with open front interior



We are proudly Australian owned

We will continue to invest in Australian
manufacturing.

