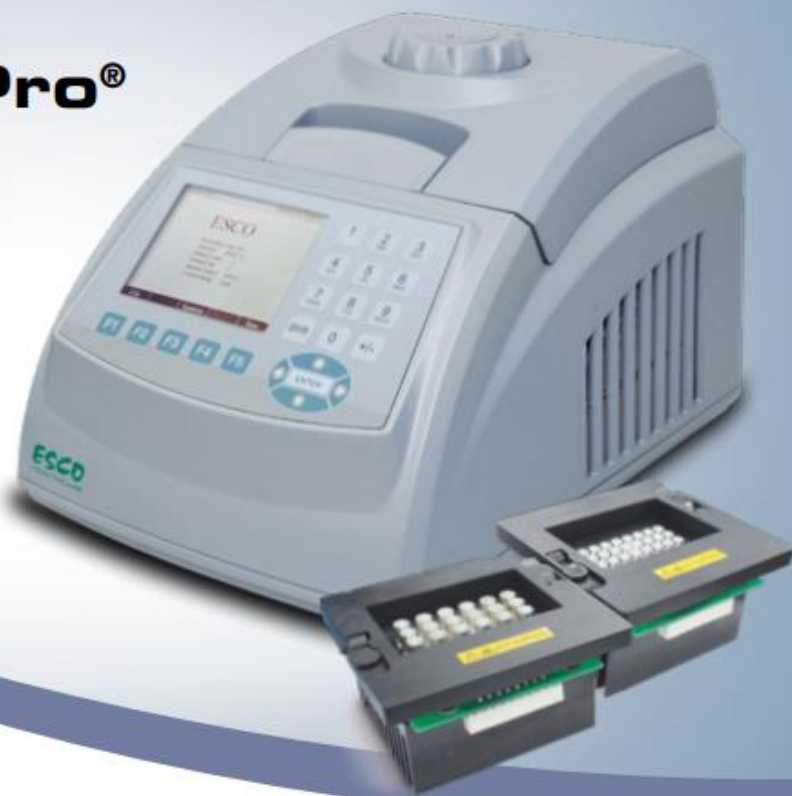


Swift™ MiniPro®

Conventional PCR Thermal Cyclers



Swift™ Series Thermal Cyclers, MiniPro®



The Esco Swift™ MiniPro® thermal cycler is a low cost personal thermal cycler with a compact footprint, suitable for a variety of critical experimental applications, such as Touch Down PCR, Time Release PCR and others. The Swift™ MiniPro® thermal cycler uses advanced Peltier technology to achieve precise temperature control and fast ramp rates with minimal over- and under-shoot for process speed and accuracy.

SUPERIOR PERFORMANCE

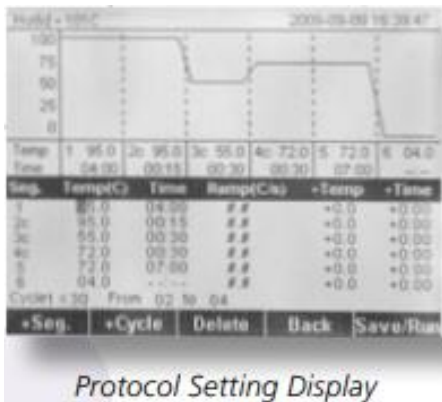
Excellent Temperature Uniformity Unique IsoHeat™ temperature control technology guarantees extremely uniform temperature between central and edge wells. Block temperature uniformity is <0.3°C.

High Temperature Precision

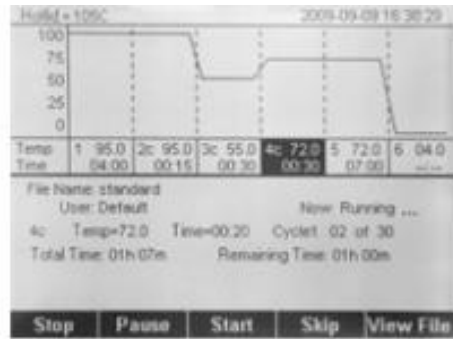
Precisely tuned and tested AeonStar™ peltier, temperature sensor, and proprietary control algorithms provide highest temperature accuracy. Block temp. accuracy is <0.3°C.

Outstanding Ramp Rate

Proprietary aluminum block with superior thermal conductivity properties delivers superb heating and cooling performance, equal to the gold blocks of other brands. High ramp rate of up to 5.0°C / sec.



Protocol Setting Display



PCR Running Display

CONVENIENCE

Compact Footprint

User-friendly ergonomic design, small footprint to conserve available bench top space. Lightweight - only 3.5 Kg (7.7 lbs.).

Convenient Setup, Fast Run

Pre-programmed methods are available for your convenience or you can enter thermal cycling values to program your own methods.

Friendly Interface

Large screen shows all information in one page. Easy, graphical programming for temperature, holding time, ramp rate, pause and other functions ensures intuitive operation.

Adjustable Hot Lid

Prevents reagents from evaporating. Hot lid height is adjustable to suit all kinds of tubes.

Adjustable Ramp Rate

High ramp rate of up to 5.0°C / sec. Suits all reagents. Allows protocols to be transferred from other cyclers.

STABILITY

Robust Security Automatic restart saves setpoints and guarantees successful PCR cycling in the event of power interruption.

Certified Quality	ISO 9001:2000 Certificate	CE & EMC Certificate
	ISO 14001:2004 Certificate	

General Specifications, Swift™ MiniPro® Thermal Cycler

Model Code	SWT-MIP-0.2-__	SWT-MIP-0.5-__
Sample Capacity	24 x 0.2 ml	18 X 0.5 ml
Applicable Consumables	0.2 ml tubes, 3 X 8 strips, 24-well microplates	0.5 ml tubes
Temperature Range	4-99°C	
Maximum Heating Rate	5.0°C / sec	4.0°C / sec
Maximum Cooling Rate	4.0°C / sec	3.0°C / sec
Temperature Uniformity	±0.3°C	
Temperature Accuracy	±0.3°C	
Hot Lid Temperature Range	30-110°C (Adjustable, Default 105°C, Automatic Hot-Lid)	
PCR Sample Volume	10-100 µl	
Temperature Control Mode	Tube or Block	
Display	Graphical LCD	
Protocol Capacity	100 protocols	
PC Interface	RS232 for software updates	
Dimension (W x D x H)	212 x 297 x 200 mm (8.3" x 11.7" x 7.9")	
Power supply, Consumption	100-120 VAC / 200-240 VAC, 50/60 Hz, 200 W	
Warranty	3 years for main body, 2 years for blocks	
Net Weight	3.5 Kg (7.7 lbs)	
Shipping Weight	4.5 Kg (9.9 lbs)	
Shipping Dimensions (W x D x H)	320 x 420 x 330 mm (12.6" x 16.5" x 13.0")	



The Esco Group of Companies is a global life sciences tools provider with sales in over 100 countries. The group is active in lab equipment, pharma equipment and medical devices. Manufacturing facilities are located in Asia and Europe. R&D is conducted worldwide spanning the US, Europe and Asia. Sales, service and marketing subsidiaries are located in 12 major markets including the US, UK, Singapore, Japan, China and India. Regional distribution centers are located in the US, UK, and Singapore.

Life Science • Chemical Research • Assisted Reproductive Technology (ART) • Pharmaceutical Equipment • General Equipment

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