



# Swift•MiniPro®

Swift Series Thermal Cyclers, MiniPro®

## Thermal Cyclers

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

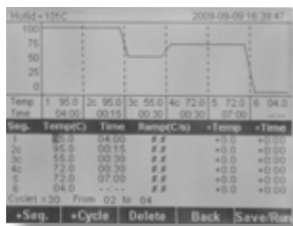
Unique IsoHeat™ temperature control technology guarantees extremely uniform temperature between central and edge wells. Block temp. uniformity is <0.3°C.

#### High Temperature Precision

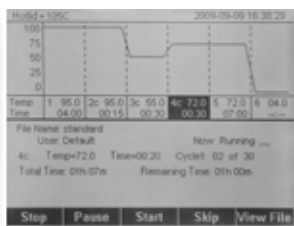
Precisely tuned and tested AeonStar™ peltier, temperature sensor, and proprietary control algorithms provide highest temperature accuracy. Block temp. accuracy is <0.3°C.

#### 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 3.2 kg (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 on 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.

#### Long Warranty Period, Peace of Mind

The Peltier module, electronics and sensors are precision tuned and tested to ensure the longest operating lifespan possible. Backed by an industry leading 3 year warranty for main body, 2 year warranty for block.

Certified Quality	ISO 9001:2000 Certificate	CE & EMC Certificate
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## General Specifications, Swift MiniPro<sup>®</sup> Thermal Cycler

Model Code	SWT-MIP-0.2- <u>  </u>	SWT-MIP-0.5- <u>  </u>
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°C - 99°C	
Max. Heating Rate	5.0°C / sec	4.0°C / sec
Max. Cooling Rate	4.0°C / sec	3.0°C / sec
Temperature Uniformity	±0.3°C	
Temperature Accuracy	±0.3°C	
Hot lid Temp. range	30°C - 110°C	
Temp. Control Mode	Block mode or tube mode	
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")	
Weight	3.2 kg (7 lbs)	
Electrical	100 - 120VAC / 200 - 240VAC 50 / 60Hz 200W	
Warranty	3 years for main body, 2 years for blocks	

## Order Information

Model	Description
SWT-MIP-0.2-1	Swift MiniPro <sup>®</sup> Thermal Cycler With 24 x 0.2mL Block 110VAC 50 / 60Hz
SWT-MIP-0.2-2	Swift MiniPro <sup>®</sup> Thermal Cycler With 24 x 0.2mL Block 220VAC 50 / 60Hz
SWT-MIP-0.5-1	Swift MiniPro <sup>®</sup> Thermal Cycler With 18 x 0.5mL Block 110VAC 50 / 60Hz
SWT-MIP-0.5-2	Swift MiniPro <sup>®</sup> Thermal Cycler With 18 x 0.5mL Block 220VAC 50 / 60Hz
SWT-MIP-BLC-1	Swift MiniPro <sup>®</sup> Block 1 (24 x 0.2mL)
SWT-MIP-BLC-2	Swift MiniPro <sup>®</sup> Block 2 (18 x 0.5mL)



Since Esco was founded in 1978, our company has earned a reputation for innovation in the worldwide laboratory equipment industry. With years of research, R & D and manufacturing experience, Esco Micro Pte Ltd emerged as an innovative global player in the design and manufacturing of peltier-driven thermal cycler products for the life science market. Products sold in more than 100 countries include conventional thermal cyclers, real-time PCR systems and microplate shakers / incubators.

PCR Thermal Cyclers • Real-time PCR Systems • Microplate Shaker / Incubators

# ESCO

## WORLD CLASS. WORLDWIDE.

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