

Roto-Therm Series



Features:

- Rotated mixing with temperature control
- Includes tube holders for common tube sizes
- Available with variable speed control
- Advanced shaking/mixing modes:
 - Mix (Oscillating)
 - Pause
 - Rock



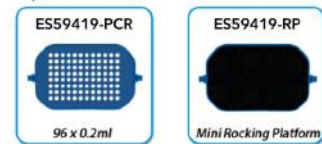
Technical Data:

Cat No.:	ES59419	ES59419-PLUS	ES59417	ES59417V
Temperature:	N/A	N/A	Ambient +5° to 60°C	Ambient +5° to 60°C
Speed:	24 rpm	5 to 70 rpm	24 rpm	5 to 70 rpm
Mixing Modes:	N/A	Mix, Pause, & Rock	N/A	Mix, Pause, & Rock
Dimensions:	10.8 x 6 x 6.5 in. (27.5 x 15.2 x 16.5 cm)	10.8 x 6 x 6.5 in. (27.5 x 15.2 x 16.5 cm)	11.6 x 8.5 x 9 in. (29.5 x 21.6 x 22.9 cm)	11.6 x 8.5 x 9 in. (29.5 x 21.6 x 22.9 cm)
Weight:	3 lbs. (1.4 kg)	3 lbs. (1.4 kg)	9 lbs. (4 kg)	10 lbs (4.5 kg)

Included Tube Holders:



Optional Tube Holders:



Our Roto-Therm series of rotating mixers provide a wide range of mixing capabilities. Suitable for an array of laboratory applications including resuspension, protein binding, nucleic acid purification, histochemistry, hybridization etc, the mixers include interchangeable tube holders for accommodating all common tube sizes from 0.5mL to 50mL. The motion can be adjusted from vertical (end over end) mixing, to horizontal (rolling or hybridization style) mixing.

For applications requiring temperature control, the Roto-Therm series can be digitally programmed to maintain chamber temperatures of ambient +5°C to 60°C and include an "in-lab" calibration function for ensuring accurate temperature control. For applications where temperature control is not required, the economical Roto-Mini models are available.

Both the Roto-Therm and Roto-Mini rotators are available in the "Plus" configuration. The Plus models provide the following additional features:

Variable speed: 5 to 70 rpm

"Mix" function: Rotating in combination w/ oscillations (increased mixing)

"Pause" function: Rotating with intermittent "stops" during rotation

"Rock" function: Back and forth, gentle rocking motion (see-saw)

The Plus models also offer an additional rocking platform (4.5 x 3 in.), as well as a 96 x 0.2mL tube/strip/plate holder for mixing PCR vessels in the "Mix" (oscillating) mode.

Included Tube Holders:

11 x 1.5/2.0mL (pack of 2)	5 x 5-7mL (pack of 2)
4 x 10-15mL (pack of 2)	6 x 50mL (pack of 1) *Also accepts 24 x 0.5mL

Maximum Tube Capacity:

0.2mL	96	5-7	20
0.5mL	24	10-15mL	16
1.5/0.2mL	44	50mL	6

Cat. No.	Description
ES59419	Roto-mini With Tube Holders
ES59419-PLUS	Roto-Mini Plus, Variable Speed Rotator with tube holders
ES59417	Roto-Therm Incubated Mixer
ES59417V	Roto-Therm Plus Incubated Mixer
ES59419-015	Tube Holder, 11 x 1.5/2.0mL
ES59419-5	Tube Holder, 5 x 5-7mL
ES59419-1015	Tube Holder, 4 x 10-15mL
ES59419-50	Tube Holder, 6 x 50mL
ES59419-PCR	Tube Holder, 96 x 0.2ml, 12 PCR strips or one PCR plate
ES59419-RP	Rocking Platform with rubber mat