

Centrifuges » PCV-2400 micro centrifuge/vortex mixer

PCV-2400 Combi-spin™ combined centrifuge/vortex mixer

Cost-effective, fixed-speed, combined micro centrifuge/vortex mixer for combined or independent centrifuge and mixing applications of microtubes and 0.2 ml microtube strips in low volume applications.

Tubes are loaded into the rotor for simultaneous spinning, then removed for individual mixing in the vortex cup located at the top of the central shaft. In spin-mix-spin applications, the Combi-spin™ can be used with very low reagent volumes representing an overall saving in time, labour and material.

- Centrifugation speed: fixed at 2800 rpm / 50Hz and 3500 rpm / 60Hz
- Continuous operation or short spin
- Choice of interchangeable rotors for different microtube sizes/combinations and for 0.2 ml strips
- Can be used at temperatures from +4°C to +40°C

PCV-2400 Combi-spin™ mini centrifuge/vortex mixer

A safety interlock stops the rotor when the lid is opened to ensure you and your workplace remain safe

The Combi-spin™ is supplied as standard with two interchangeable rotors for 12 x 1.5 ml and 12 x 0.5 ml + 12 x 0.2 ml microtubes

Optional accessory rotors – for 16 and 18 microtubes and for two 8 well 0.2ml strips – allow for quick and easy changes of application



The vortex cup emerges through an opening in the closed lid, enabling individual tubes to be mixed even while a full load of tubes is spinning

Very simple to operate – use the left-hand button to select continuous or short spin



Applications: ■ Life-science - genetic engineering research (for PCR-diagnostics experiments). Units can be used in microbiological, biochemical, clinical laboratories and industrial biotechnological laboratories

Centrifuges » PCV-3000 and PCV-6000 combined centrifuge/vortex mixers

PCV-3000 and PCV-6000 Multi-spin™ combined centrifuge/vortex mixers

Highly versatile and efficient variable-speed combined centrifuge/vortex mixers. Programmed centrifugation and mix operations or independent centrifuging and vortex-mixing of multiple microtubes and 0.2 ml strips.

Spin-mix-spin technology can save considerable time by automatically performing a cycling program of sample mixing and spinning 12 tubes at once, when compared with removing the tubes for vortexing after every spin.

- Centrifugation speed: PCV 3000 up to 3500 rpm, PCV 6000 up to 6000 rpm
- Vortex mixing modes - soft, medium and hard with regulated timer of 1 to 20 seconds, with automatic switch-off
- Choice of interchangeable rotors for different microtube sizes/combinations and for 0.2 ml strips
- Can be used at temperatures from +4°C to +40°C

A safety interlock stops the rotor when the lid is opened to ensure you and your workplace remain safe (lid lock on PCV-6000)

Multi-spin™ enables consecutive spin and mix phases of multiple tubes – tubes are loaded into the rotor for spinning and remain in position for vortex mixing, saving time and labour. In addition, lower reagent volumes can be used, providing a further saving

Simple push-buttons and a clear 2-line LCD status display enable accurate and repeatable setting of spin and mix levels and times. Spin and mix phases can be linked in sequences which can be repeated up to 999 times

Low voltage cord easily fits through door gaskets, allowing use in incubators, refrigerators and workstations



Multi-spin™ PCV-3000 shown

The Multi-spin™ is supplied as standard with two interchangeable rotors for 12 x 1.5 ml and 12 x 0.5 ml + 12 x 0.2 ml microtubes

Optional accessory rotors – for 16 and 18 microtubes and for two 8 well 0.2 ml strips – allow for quick and easy changes of application



Compact design and extremely quiet in operation – fits neatly and unobtrusively into the workspace

Multi-spin™ PCV-6000 maximum speed 6000rpm






- Applications:**
- Life-science - genetic engineering research (for PCR-diagnostics experiments). Units can be used in microbiological, biochemical, clinical laboratories and industrial biotechnological laboratories






Centrifuges » PCV-2400, PCV-3000 and PCV-6000 » Models and specifications

Centrifuges – models and specifications

- = standard
- = optional

		Combined centrifuge/vortex mixer			
		PCV-2400	PCV-3000	PCV-6000	
		combi-spin, fixed speed	multi-spin, variable speed		
		 h: 125 mm d: 235mm w: 190 mm weight: 2.1kg	 h: 125 mm d: 235 mm w: 190 mm weight: 2.5kg	 h: 125 mm d: 235 mm w: 190 mm weight: 2.5kg	
Max RCF (bottom of tube)	g-force	g	700	800	2350
Speed (centrifuge tubes)		rpm	2800 at 50Hz / 3500 at 60Hz	1000 to 3500	1000 to 6000
Vortex mixing intensity			–	soft, medium and hard	
Spin timer, with automatic switch-off			–	1 sec to 99 mins	1 sec to 30 mins
Mix timer, with automatic switch-off			–	1 to 20 sec (1sec increment)	
Spin-mix-spin cycle regulation			–	1 to 999 cycles	
Number of tubes vortexing			1 individual	12 simultaneously	
Time for completing the spin-mix-spin					
	2 microtubes		60 sec	25 sec	15 sec
	12 microtubes		5-6 min	1 min 30 sec	1 min
	100 microtubes		60 min	15 min	10 min
Capacity	12 x 1.5 ml microtubes		●	●	●
	12 x 0.5 ml plus 12 x 0.2 ml microtubes		●	●	●
Display			–	2 line x 16 character LCD	
Input voltage	V dc		–	12 (11W, 0.9A), 24(24W, 0.9A)	
	V ac		120 or 230 (50-60 Hz)	100-240 (50-60 Hz)	
External power supply			–	●	●
Maximum noise		dBA	50	56	71

Accessories

PR2-05 interchangeable centrifuge rotor for 8 x 1.5/ 2.0 ml plus 8 x 0.5 ml microtubes		●	●	●
PR2-05-02 interchangeable centrifuge rotor for 6 x 1.5/ 2.0 ml plus 6 x 0.5 ml plus 6 x 0.2 ml microtubes		●	●	●
PSR-16 interchangeable centrifuge rotor for 2 x 8-well 0.2 ml microtube strips		●	●	●
R-15 replacement rotor for 12 x 1.5 ml microtubes		●	●	●
R-05-02 replacement rotor for 12 x 0.5 ml and 12 x 0.2 ml microtubes		●	●	●