

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

PCV-6000 Multi-spin™ combined centrifuge/vortex mixer

Highly versatile and efficient variable-speed combined centrifuge/vortex mixer. 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: 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 lid lock stops the rotor when the lid is opened to ensure you and your workplace remain safe

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-6000 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



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 and PCV-6000 » Models and specifications

Centrifuges – models and specifications

- = standard
- = optional

		Combined centrifuge/vortex mixer	
		PCV-2400	PCV-6000
		combi-spin, fixed speed	multi spin, variable speed
		 <p>h: 125 mm d: 235 mm w: 190 mm weight: 2.1kg</p>	 <p>h: 125 mm d: 235 mm w: 190 mm weight: 2.5kg</p>
Max RCF (bottom of tube) g-force	g	700	2350
Speed (centrifuge tubes)	rpm	2800 at 50Hz / 3500 at 60Hz	1000 to 6000
Vortex mixing intensity		–	soft, medium and hard
Spin timer, with automatic switch-off		–	1 sec to 30 mins
Mix timer, with automatic switch-off		–	1 to 20 sec (1 sec increment)
Spin-mix-spin cycle regulation		–	1 to 999 cycles
Number of tubes vortexing		1 individual	up to 12 simultaneously
Time for completing the spin-mix-spin			
	12 microtubes	5-6 min	1 min
	100 microtubes	60 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	–	24 (24W, 0.9A)
	V ac	120 or 230 (50/60 Hz)	100-240 (50/60 Hz)
External power supply		–	●
Maximum noise	dBA	50	71

Accessories

PR2-05 interchangeable centrifuge rotor for 8 x 1.5/ 2.0 ml plus 8 x 0.5 ml microtubes

Optional



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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

Optional



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PSR-16 interchangeable centrifuge rotor for 2 x 8-well 0.2 ml microtube strips

Optional



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R-15 replacement rotor for 12 x 1.5 ml microtubes

Included



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R-05-02 replacement rotor for 12 x 0.5 ml and 12 x 0.2 ml microtubes

Included



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