

PCV-2400 combined combined centrifuge/vortex mixer

Cost-effective, fixed-speed, combined micro centrifuge/vortex mixer for combined or independent centrifuge and mixing applications of microtubes and 0.2ml 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 2800rpm / 50Hz and 3500rpm / 60Hz**
- **Continuous operation or short spin**
- **Choice of interchangeable rotors for different microtube sizes/combinations and for 0.2ml 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.

The Combi-spin™ is supplied as standard with two interchangeable rotors for 12 x 1.5ml and 12 x 0.5ml + 12 x 0.2ml 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 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 0.2ml 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 6000rpm**
- **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 0.2ml strips**
- **Can be used at temperatures from +4°C to +40°C**



Multi-spin™ PCV-6000 shown

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



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

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.



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 » Technical specifications and accessories

PCV-2400 and PCV-6000 – Technical specifications

- = standard
- = optional

		Combined centrifuge/vortex mixer	
		PCV-2400	PCV-6000
		combi-spin, fixed speed	multi spin, variable speed
		 <p>h: 125mm d: 235mm w: 190mm weight: 2.1kg</p>	 <p>h: 125mm d: 235mm w: 190mm weight: 2.5kg</p>
Max RCF (bottom of tube) g-force	g	700	2350
Speed control range max. (centrifuge tubes)	rpm	2800 at 50Hz / 3500 at 60Hz	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 100 microtubes	5-6 min 60 min	1 min 10 min
Capacity	12 x 1.5ml microtubes	●	●
	12 x 0.5ml plus 12 x 0.2ml microtubes	●	●
Display		–	2 line x 16 character LCD
External power supply		Input AC 120-230V, 50/60Hz Output DC 12V	
Input voltage	V ac	12	24
Power consumption	W	11 (0.9A)	24 (1A)
Maximum noise	dBA	50	71

Accessories

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