

# Fugamix™ Brushless technology



## CM-50M

- ▶ 15,000 RPM
- ▶ 9 Levels of mixing
- ▶ 3 Automated spin-mix-spin programs for sample preparation
- ▶ Rapid spin function
- ▶ Digital timer
- ▶ Automatic rotor detection
- ▶ Rotor imbalance sensor
- ▶ 3 Optional rotor selections
- ▶ Low sample heating – max 10°C while running at max speed

## CM-12M

- ▶ 12,000 RPM
- ▶ 9 Levels of mixing
- ▶ 3 Automated spin-mix-spin programs for sample preparation
- ▶ Rapid spin function
- ▶ Digital timer
- ▶ Automatic rotor detection
- ▶ Rotor imbalance sensor
- ▶ 2 Optional rotor selections
- ▶ Low sample heating – max 8°C while running at max speed

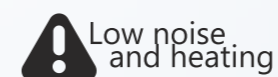
## FUGAMIX™ Family

The Fugamix family of products is a unique series, engineered to combine the two most frequently used functions in the laboratory – mixing and spin down – in a single machine. This exciting, one-of-a-kind system will swiftly and efficiently handle both operations either manually or automatically. Fugamix is powered by V-Spin – the world's most advanced, patented mixing and liquid-handling technology. The result is huge savings in time, effort, and workspace.

## Applications

- ▶ PCR diagnostic labs
- ▶ Biochemical clinical labs
- ▶ Preparing samples prior to PCR reactions, gel electrophoresis and enzyme reactions
- ▶ Immunoprecipitations
- ▶ Cell permeabilisation by chelating or hydrophobic agents for reaction in situ
- ▶ Low solubility drug testing
- ▶ Cell washing from culture media after fermentation
- ▶ Molecular and cell biology
- ▶ Immunology, biochemistry
- ▶ Physical and colloidal chemistry
- ▶ Study of nanoparticles
- ▶ Analytical chemistry

**Lower reagent volumes** are needed with the CM-50M/CM-12M, thanks to the spin-mix-spin program. By simply spinning samples before and after mixing, lower reagent volumes can be used without any increase in sample error. The powerful G-force, digital timer, spin-speed control, and 9 mixing strengths combine to ensure absolute precision.



Low noise and heating



Rotor recognition



World's most advanced Liquid handling Technology



Lid lock



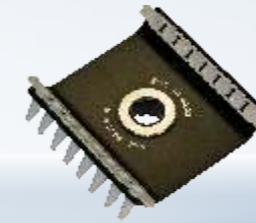
Rotor imbalance sensor

## Fugamix™ specifications

		CM70M-07	CM70M-09	CM70M-12	CM-50M
Rotor rotation speed	RPM	from 2000 to 7000	from 4000 to 9000	from 1000 up to 12000	from 1000 up to 15000
Maximum centrifugal force	RCF	3200	5200	10000	15300
Timer	min	from 0.1 up to 30	from 0.1 up to 30	from 0.1 up to 99	from 0.1 up to 99
Number of vortex regimes		6	6	9	9
Programmable Sample Preparation mode		1	1	3	3
Dimensions (L x W x H)	mm	190 x 170 x 115	190 x 170 x 115	200x180x145	200x180x145
Power supply adapter		24 VAC, 1A	24 VAC, 2A	24 VDC, 5A	24 VDC, 5A
Weight	Kg	2.2	2.2	3.1	3.1

# Fugamix™ :rotors

## Spindown rotors



Universal high speed rotor for 12 test tubes 0.2 - 2 ml. Patent pending cover cap insures the optimum air flow and incredibly low sample heating.

Universal PCR strip rotor for two 0.2 ml standard PCR strips.

## Spindown and mix rotors



CNC machined aluminum rotor for spindown and mixing of test tubes. Maximum capacity: 12 tubes 0.2 - 2 ml

Patented technology high speed spindown and mixing rotor. Maximum capacity: 12 tubes 0.2 - 2 ml