



elmi Ltd.
laboratory equipment

FUGAMIX™ family

“Fugamix” It is a unique device, designed to combine two most frequently used functions: mixing and spindown in a single machine!
This is an absolutely unique system that can extremely efficiently handle both functions manually or automated - resulting huge savings in time, workspace and efforts.

CM-50M
CENTRIFUGE-MIXER

- 15 000 RPM.
- 9 levels of mixing.
- 2 Automated sample preparation spin-mix-spin programs.
- Rapid spin function.
- Digital timer.
- Automatic rotor detection.
- Rotor imbalance detection.
- 3 optional rotors selection.
- Exceptionally low sample overheating (max 10°C running on max speed).



World's most advanced
Liquid handling
Technology



Lid lock

Vortex mixer

Mixer on/off button allows to start stop vortexing of the whole rotor with one of the 9 optional speeds.

Centrifugation

Start/Stop centrifugation with selected speed as well as rapid spin mode.



Low noise
and heating



Rotor
recognition

Reduced volumes

By the simple practice of spinning samples before and after mixing, lower reagent volumes can be used without any increase in sample error, and CM-50M was developed specifically for this purpose.

- powerful G force
- timer for accurate control of spin and mix time
- accurate control of spin speed
- 9 stage control of mixing strength

Applications

- PCR diagnostic laboratories
- biochemical clinical laboratories
- 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.



Rotor balance
sensor

FUGAMIX™ family



Lid lock
Optical

CM-12M
CENTRIFUGE-MIXER

- 12 000 RPM.
- 9 levels of mixing.
- 2 Automated sample preparation spin-mix-spin programs.
- Rapid spin function.
- Digital timer.
- Automatic rotor detection.
- Rotor imbalance detection.
- 2 optional rotors selection.
- Exceptionally low sample overheating (max 8°C running on max speed).

CM-70M07
CENTRIFUGE-MIXER **CM-70M09**
CENTRIFUGE MIXER

- 7 000 / 9 000 RPM
- 6 levels of mixing.
- Automated sample preparation spin-mix-spin program.
- Digital timer.
- 2 optional rotors selection.
- Optical lid lock.

Accessories

Rotor 50.01

CM-50M
CENTRIFUGE-MIXER



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

Rotor 50.02



Specially designed aluminum rotor for high speed centrifugation and mixing of 12 test tubes 0.2 - 2 ml.

Rotor 50.03



Universal PCR strip rotor for two strips of 0.2 ml.

Mix rotor



Universal aluminum rotor for test tubes from 0.2 up to 2 ml

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
Maximal 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	V	220-230 / 24 VAC	220-230 / 24 VAC	220-230 / 24 VAC	220-230 / 24 VAC
Weight	Kg	1.3	1.3	1.5	1.5