



Product catalog 2017

Centrifuges



Mixers



Thermostats



Laboratory gadgets company



www.youtube.com/elmimedia/

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The new line of shakers.

Innovative technology aimed for more flexibility and efficiency in a modern laboratory routine.



Smart driver allows to run multiple mixing modes on the same machine seamlessly organized in a custom program.



Orbital Rotation



Rocking Platform



Reciprocal Wave



Autoreverse Rotation



Vibration



Incubation

DOS line of multipurpose digital shakers

DOS is a high-performance line of orbital and rocking shakers capable of non-stop operation in a wide variety of medical, chemical, and biological laboratories. Designed for flexibility, these units come with a great selection of optional accessories and attachments, and in an assortment of sizes and loading capacities to satisfy your specific lab needs. With an excellent record of reliability and long life, DOS series will be a superior partner in your laboratory.

Features

- Optimal amplitude of platform rotation for intensive mixing
- Orbital, reciprocal and vibration motion in the same machine
- Advanced motor control system for durable and quiet operation
- Digital timer
- High-precision, rotational speed controls
- Sound notification when mixing complete
- Onboard memory for storing settings

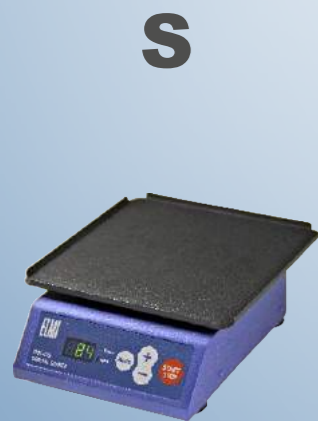
Multifunctional digital orbital shakers

DOS-10M, DOS-10L, DOS-20M, DOS-20L

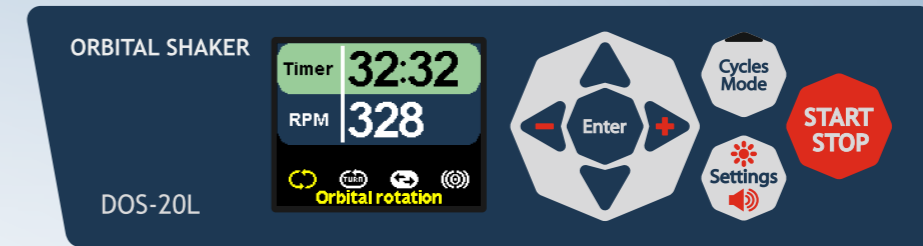


Basic orbital shakers

DOS-20S, S-3.02.10M/S-3.02.20M, S-3.02.10L/S-3.02.20L



Control interface



Using the sound, brightness and language options everyone can make the machine more personal and adequate the current operation environment.



Large colorful LCD display makes navigation and settings very simple and fast. All the settings are displayed simultaneously which is very convenient.



Additional mixing modes:

- Reciprocal
- Vibration
- Revers half-turn cycles
- Clockwise and counter clockwise rotation

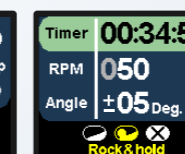


Programmable mixing modes

- Up to 4 different mixing behaviors combined in one program.
- Detailed specification of each mixing step.
- Various combination and cycles options.

Multifunctional digital rocking shaker

DRS-12



Programmable mixing modes

- Up to 4 different mixing behaviors combined in one program.
- Detailed specification of each mixing step.
- Various combination and cycles options.

Features

- ▶ Variable shaking angle from 1 to 12 degrees
- ▶ Shaking speed from 1 to 50 shakes per minute
- ▶ Custom shaking programs
- ▶ Soft run advanced motor for top performance
- ▶ Digital timer
- ▶ High-precision, operational controls
- ▶ Sound notification when operation complete
- ▶ Onboard memory for storing settings

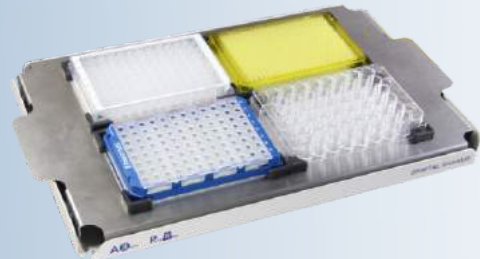


Accessories for shakers



Attachable multi-level platform for DRS-12

Several levels can be added to the rocker for maximum capacity.



Microplate Adapter

Ensures utmost efficiency by securing varieties of microplates at once. Depending on the unit's platform size, this adapter can accommodate 4 or 8 microplates.



Universal roller clips

Very effective solution for securing various unstable lab flasks, such as those with flat bottoms and extra height.



Universal magnetic clips

Fast and easy way to fixate flat-bottom lab flasks and bottles – can be used in combination with roller clips.



Test tube holders

The best way to fixate varieties of test tubes at once.

Can be used for:
50 ml tubes
15 ml tubes
1.5 - 2ml tubes

SPECIFICATIONS

	DOS-20S	DOS-10M/DOS-20M	DOS-10L/DOS-20L	DRS-12
Size of working space of platform:	mm 168 x 168	355 x 235	415 x 295	257 x 307
Amplitude of rotation of the platform(rocking angle):	mm(degree) 20	10 / 20	10 / 20	(1 - 12)
Type of rotation:	orbital	orbital	orbital	rocking
Time controller:	min from 1 to 6000	from 1 to 6000 / limitless	from 1 to 6000 / limitless	from 1 to 6000 / limitless
Speed of rotation (rocking):	RPM from 20 to 300	from 20 to 500 / 300	from 20 to 500 / 300	(from 1 to 50)
Environmental temperature:	°C from +4 to +45	from +4 to +45	from +4 to +45	from +4 to +45
Relative moisture of atmosphere (at the temperature of 20 °C):	% up to 80	up to 80	up to 80	up to 80
Power supply (adapter):	DC 24V, 1A	DC 24V, 1A	DC 24V, 1A	DC 24V, 1A
Size of the device (length x width x height):	mm 205 X 170 X 70	360 x 280 x 100	415 x 365 x 100	275 x 310 x 110
Weight:	kg 1.6	6/6.3	8.5/8.8	3.6
	DOS-3M	S-3.02M.10M/S-3.02M.20M	S-3.02M.10L/S-3.02M.20L	
Size of working space of platform:	mm 355 x 235	355 x 235	415 x 295	
Amplitude of rotation of the platform	mm 2	10 / 20	10 / 20	
Time controller:	min from 1 to 6000 / limitless	—	—	
Type of rotation:	orbital	orbital	orbital	
Speed of rotation	RPM 100 - 1300	20 - 500	20 - 500	
Environmental temperature:	°C from +4 to +45	from +4 to +45	from +4 to +45	
Relative moisture of atmosphere (at the temperature of 20 °C):	% up to 80	up to 80	up to 80	
Power supply (adapter)	100-240V; 50/60Hz	DC 24V, 1A	DC 24V, 1A	
Size of the device (length x width x height)	mm 360 X 280 X 100	360 X 280 X 100	415 x 365 x 100	
Weight	kg 6	5.9/6.2	8.2/8.5	



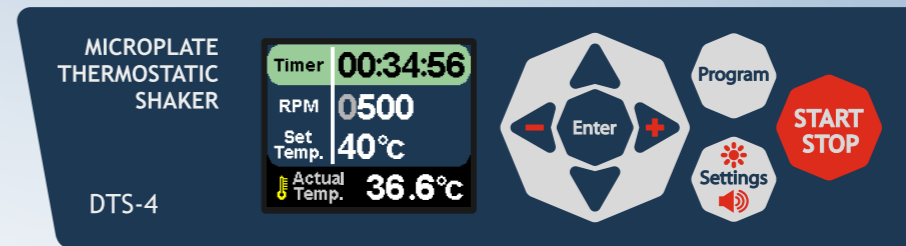
Multifunctional digital thermostatic shakers

DTS-2, DTS-4

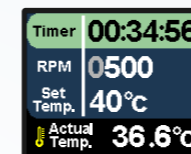
Incredibly accurate and reliable thermostats, accommodating 2 or 4 microplates. Its hermetic aluminum container and digital platform sensors, combined with a bi-directional heating system housed within the lid and platform, ensure an amazingly smooth temperature gradient and precise heating of all samples.



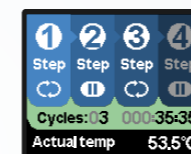
Control interface



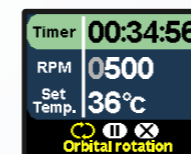
Using the sound, brightness and language options everyone can make the machine more personal and adequate the current operation environment.



Large colorful LCD display makes navigation and settings very simple and fast. All the settings are displayed simultaneously which is very convenient.



Programmable incubation cycles.
 - Up to 4 steps of consequential mixing, heating, cooling.
 - Detailed specification of each mixing step.
 - Various combination and cycles options.



Detailed definition of each step of the program.
 - Orbital mixing.
 - Orbital mixing and incubation.
 - Stand still incubation.
 - Stand still cool down
 - Mixing and cool down.

Digital thermostatic shaker DTS-2 and DTS-4

2 or 4 Immune Plates

With the ability to accommodate either 2 or 4 microplates simultaneously, the DTS-2 and DTS-4 enable a considerable increase in processed volume. These high-precision space-savers free up valuable lab space while still ensuring a superior level of performance.

2 mm Rotational Orbit

The DTS series features an ideal rotational orbit of 2 mm for maximum performance, and works conveniently with any standard microplate.

Bi-Directional Heating System

The hermetic thermostatic container of each unit is equipped with a bi-directional heating system housed within both the base and the lid. Impervious to room temperature, this component allows the entire volume to be heated uniformly while eliminating condensation at the same time. The result – pinpoint accuracy and reliability with even micro-volume samples.

Simultaneous Display Of All Adjustable Parameters

With a user-friendly display panel showing temperature, RPM, and timer settings separately, technicians can adjust these criteria with ease.

Autonomous Memory For Storing User Settings

Operate the DTS-2 and DTS-4 with confidence, knowing that in the event of power outage or disconnection from power supply, these units will independently store all user settings.

Guaranteed For Robust, Durable Operation

Equipped with an anti-vibration system, and durably designed for daily hard duty and long life, these digital thermostatic shakers will be a valuable asset and dependable partner in your lab.



TECHNICAL SPECIFICATIONS

Temperature can be set in °C or °F

		DTS-2	DTS-4
Maximum number of microplates on the platform		2	4
Supported microplate dimensions	mm	86 x128 x 20	86 x128 x 20
Temperature range:	°C	ambient +3 up to 60	ambient +3 up to 60
Temperature control accuracy	°C	0,1	0,1
Platform rotation type		orbital	orbital
Platform rotation orbit	mm	2	2
Platform rotation speed	RPM	100 - 1300	100 - 1300
Timer	min	1-6000	1-6000
Ambient temperature range	°C	from +10 to +45	from +10 to +45
Relative atmospheric moisture at 20°C	%	max 80	max 80
Power supply		100-240V; 50/60Hz	100-240V; 50/60Hz
Power consumption	W	140	140
External dimensions (length x width x height)	mm	305 x 280 x 120	370 x 335 x 120
Weight	Kg	6.5	9.3

Water bath thermostats TW-2.02 and TW-2.03

The stainless steel TW-2.02 and the plastic TW-2.03 are both convenient and reliable 8.5 liter baths that consistently deliver outstanding results in the lab.



Magnetic stirrer MS-01

MS-01 is a powerful, efficient, stainless steel magnetic stirrer.



FEATURES

- ▶ Precise and user-friendly temperature control in the bath
- ▶ Automatic water level detection system
- ▶ Variable water circulation speed
- ▶ External water circulation pump to accurately heat outer items
- ▶ Thorough water mixing to maintain consistent temperature
- ▶ Slim, simplified design for quick and easy disassembling and cleaning

WATER THERMOSTATS SPECIFICATIONS

SPECIFICATIONS		TW - 2.02	TW - 2.03
Temperature range in the bath:	°C	from ambient +3 up to 100	from ambient +3 up to 90
Accuracy of temperature maintenance in the bath:	°C	+0,1	+0,1
Max time of set temperature achievement:	min	50	
Max bath capacity	L	8,5	
Temperature stabilization above the environmental	°C	3	
Water circulation speed (variable)	L/min	2-5	
Voltage and frequency:	V; Hz	100-240V; 50/60Hz	
Power consumption	κW	up to 1,5	
Size of the device (length x width x height)	mm	265 x 325 x 270	265 x 325 x 265
		3,8	



FEATURES

- Strong:** This motor-driven unit provides an extra strong field for up to 4 flat-bottom lab flasks at one time.
- Versatile:** Specially designed to be compatible with the TW-2.03 water thermostat, the combo offers highly accurate temperature control and effective mixing simultaneously.
- Durable:** The magnetic stirrer's stainless steel enclosure is highly resistible, as well as easily cleaned and sterilized.
- Convenient:** Its simple and noiseless operation make the MS-01 an obvious choice for any laboratory.

MAGNETIC STIRRER MS01 SPECIFICATIONS

Speed range	RPM	1 - 2200
Liquid volume range for one mixing place	L	from 0.2 up to 2L
Power adapter output	⊖ ⊕	DC 12V, 1.5A
Dimensions (length x width x height)	mm	260 x 260 x 40
Weight	kg	2.1



Miniprep Master™

Its a revolutionary system that guides you every step of the way to a faster and better plasmid DNA miniptep.

Miniprep Master™ features the world's most innovative rotor technology allowing users to seamlessly semi-automate and perform the following functions with ease and accuracy:

Gentle bacterial pellet re-suspension system.

Innovative mixing of the Lysis and Neutralizing buffers, avoiding formation of bubbles and leaking of lysate.

Pre-set programs for each step of nucleic extraction process.

Elevation of temperature within the rotor chamber occurs in the final step, thus increasing the plasmid yield.

Mix, Spin and Shake functions.

Custom program for use with any extraction kit.

Reduces user error.

Saves reagents.

Produces repeatable and accurate results.

Miniprep Master™ is compatible with all major commercial plasmid isolation kits (Qiagen, Thermo Scientific, Sigma).

This patented system allows users to quickly isolate bacterial plasmid DNA. Users spend up to 25% less time with our **Miniprep Master™** semi-automated vortex and mixing functions

These unique features make **Miniprep Master™** a necessary tool for obtaining high quality plasmid DNA for all downstream applications.



Comparison

1/4 or up to 25% faster than regular method!



Miniprep Master™ step by step protocol .



Centrifuge E. coli culture

1

Timer	off	F1
Mixer	00	
Timer	01 min	
RPM	10000 min ⁻¹	

Load of the plasmid containing bacterial lysate on silica spin column

5

Timer	off	F5
Mixer	00	
Timer	20 sec	
RPM	13500 min ⁻¹	

Technical features

- Plasmid DNA miniprep
- Fast plasmid DNA miniprep
- Variable speed vortex

- Plasmid DNA miniprep applications
- 12 speed levels vortex
- Quiet operation
- Vivid color LCD display
- Imbalance control system with motion detector
- Strong motor, generates minimum heat
- Patented motor control driver
- Ultra-smooth vibration-free run, due to unique drive chassis

Interface



Custom-designed **Miniprep Master™** interface offers outstanding clarity. It is easy to navigate and to use in different applications.



Using the sound, brightness and language options everyone can make the machine more personal and adequate the current operation environment.



Main control buttons are made of soft tactile rubber and are located separately from the adjustment panel to insure best user experience.

Resuspend bacterial pellet

2

Timer	20 sec	F2
Mixer	12	
Timer	off	
RPM	00000 min ⁻¹	

Wash silica spin column

6

Timer	off	F6
Mixer	00	
Timer	20 sec	
RPM	13500 min ⁻¹	

Perform lysis of bacterial cells

3

Timer	20 sec	F3
Mixer	01	
Timer	10 sec	
RPM	01000 min ⁻¹	

Centrifuge silica spin column

7

Timer	off	F7
Mixer	00	
Timer	01	
RPM	13500 min ⁻¹	

Neutralise bacterial lysate and centrifuge debris

4

Timer	40 sec	F4
Mixer	01	
Timer	05 min	
RPM	13500 min ⁻¹	

Elute plasmid DNA from the silica spin column

8

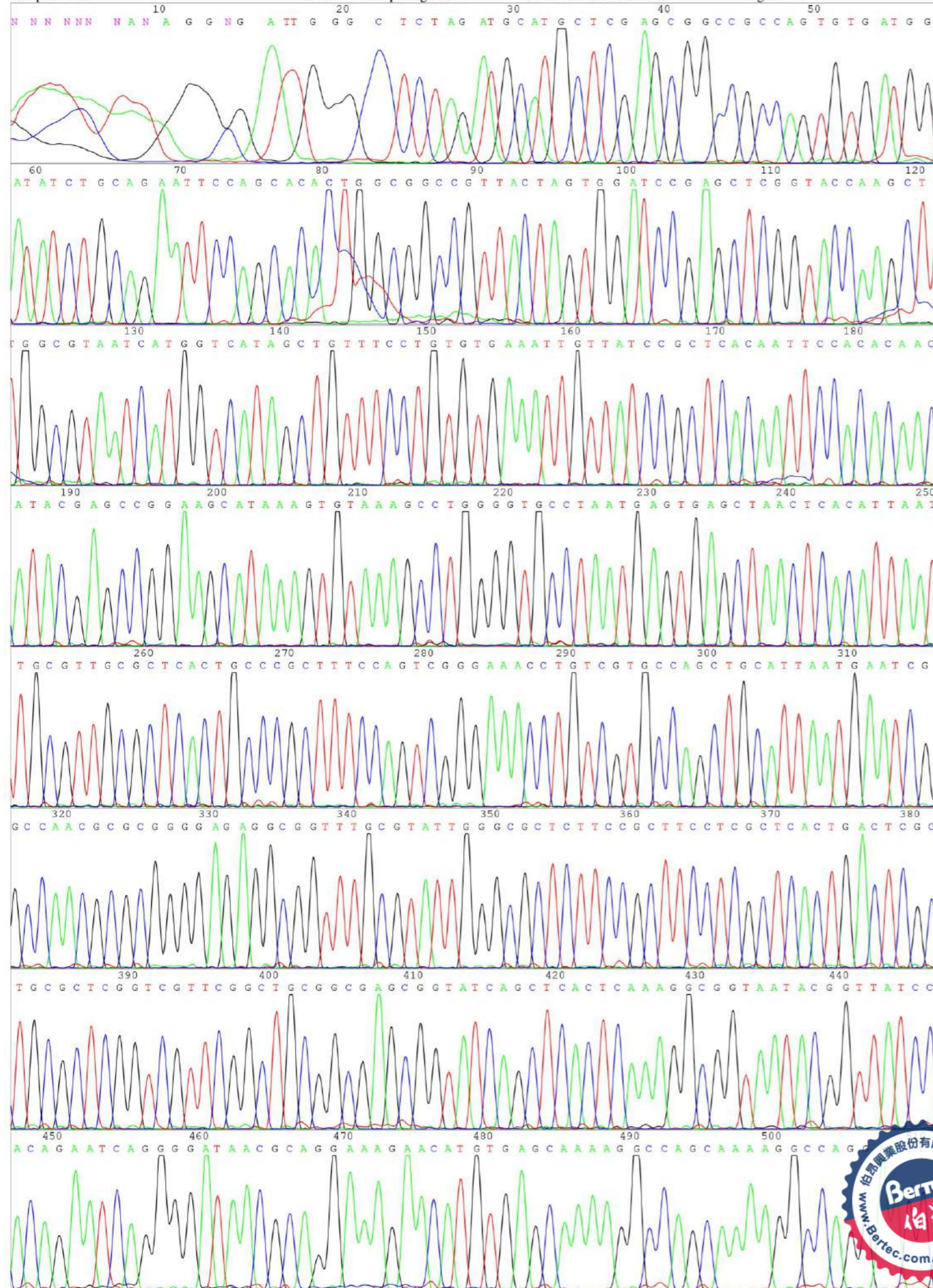
Timer	off	F8
Mixer	00	
Timer	01	
RPM		

DNA

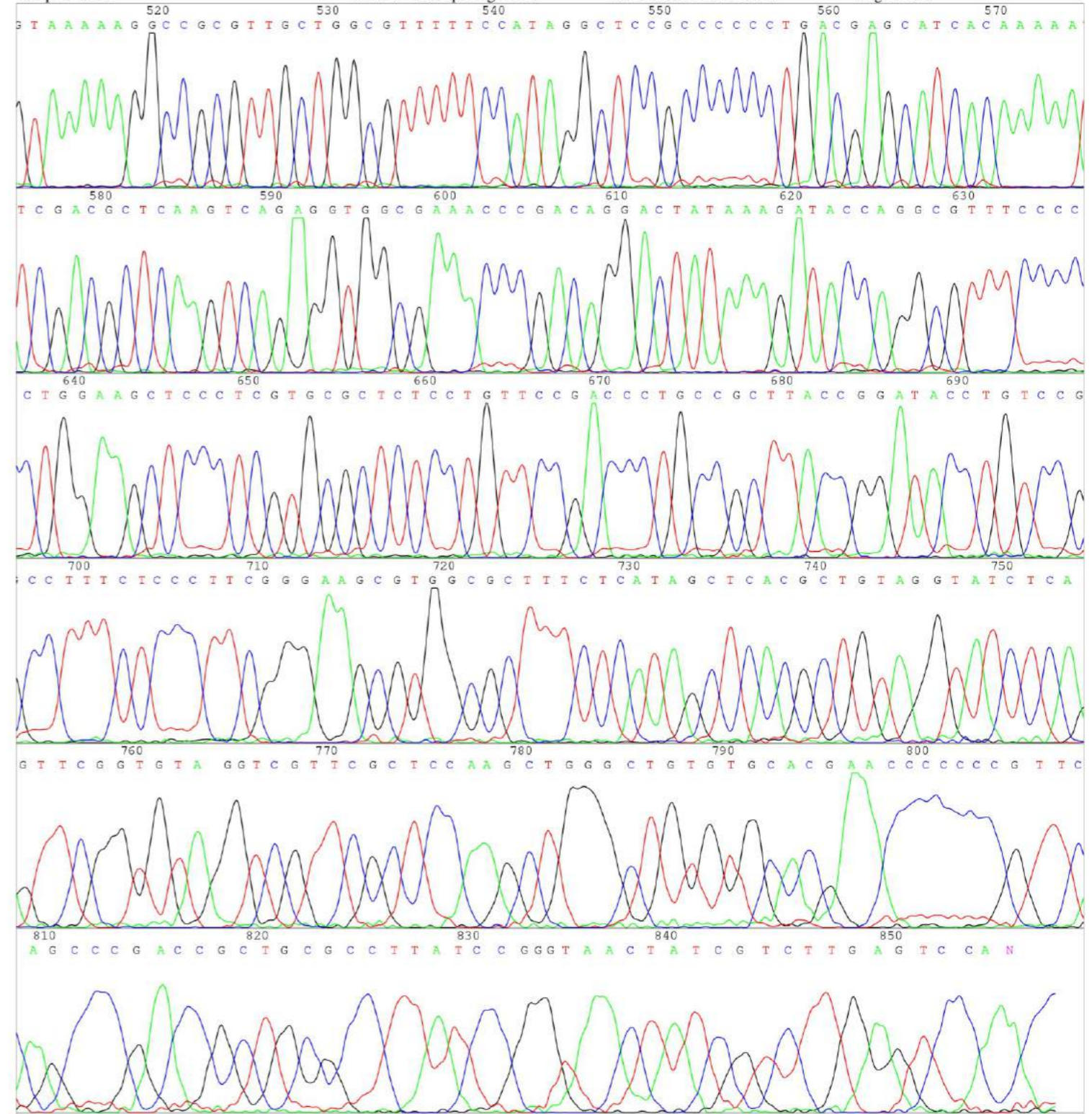


Miniprep Master™ Sequencing data

File: anh93_2014-04-16_1397679565296.ab1 Run Ended: Apr 16, 2014, 22:19:10 Signal G:387 A:256 T:245 C:282
 Sample: anh93 Lane: 4 Base spacing 13.50 855 bases in 10853 scans Page 1 of 2



File: anh93_2014-04-16_1397679565296.ab1 Run Ended: Apr 16, 2014, 22:19:10 Signal G:387 A:256 T:245 C:282
 Sample: anh93 Lane: 4 Base spacing 13.50 855 bases in 10853 scans Page 2 of 2



Plasmid DNA characteristics.

- CCC form of plasmide
- Clear from RNA
- Cuts perfectly with restriction enzyme

Gel electrophoresis.





Ready to spin columns

CarbonSpin™

Miniprep Master™ features our patented CarbonSpin rotor. This rotor is composed of precisely machined proprietary aluminum alloy, significantly improving efficiency and ventilation. To reduce the rotors weight while simultaneously increasing efficiency during intensive shake cycles, a custom carbon fiber layer stability ring was implemented. The dependable design allows the user to spin and vigorously shake any substance, including heavy beads, for as long as the experiment requires.

Rotor is provided with a specially designed lid, that allows to spin tubes with caps open loaded with columns.

Technical specifications

Centrifugation speed	RPM	up to 13500
Maximum centrifugal force	RCF	12388
Timer	min	from 0.1 up to 99
Number of vortexing modes		12
Plasmid DNA extraction modes		2
Number of centrifuge brake levels		5
Total test tubes imbalance limit	g	200
Dimensions (L x W x H)	mm	240 x 145
Power supply adapter		24
Weight	Kg	



Vortex mixer V-3

Vortex V-3 is a durable, easily operated, trustworthy addition to every laboratory, and accommodates any test tube up to 50 ml volume.



Anti-vibration system



Mixing adapter for 9 test tubes 1.5 - 2 ml.



Universal mixing adapter for test tubes 0.5 - 50 ml.

FEATURES

- ▶ Amazingly strong
- ▶ Hands-free mode
- ▶ Simple vortex intensity control
- ▶ 2 Mixing adapters
- ▶ Dome shaped and equipped with anti-vibration system for maximum stability
- ▶ Quiet and maintenance-free

Technical specifications

Rotor rotation speed	RPM	50 - 4500
Vortex rotor vibration amplitude	mm	4
Dimensions (D x H)	mm	130 x 58
Power supply adapter	V	12 VDC, 1.5A
Weight	Kg	0.7

Intelli-Mixer™ RM-2

it's a class by itself

15 mixing modes

- ▶ The state-of-the-art Intelli-Mixer is equipped to perform each and every type of test tube mixing with brilliant efficiency.
- ▶ This versatile unit comes standard with a mixed test tube rack, supporting 0.5 to 50 ml test tubes. Additionally, 3 optional rack-lengths are available, along with an assortment of accessories to satisfy your specific lab needs.
- ▶ Outfitted with 2 vortex frequencies, this powerful mixer is capable of simultaneously vortex-mixing up to 42 Eppendorf tubes.

Powered by V-Spin – the world's most advanced, patented mixing and liquid-handling technology – the Intelli-Mixer RM-2 is truly the latest in cutting-edge science. V-spin harnesses the energy of an unequalled stepper motor, allowing for a wide variety of mixing, vibrating, and rotating cycles. This multipurpose unit is a rotator, vortex mixer, and blotter all in one. Designed to be cold room safe, and with an unprecedented 34 modes of operation, this versatile piece is unrivaled in today's market.

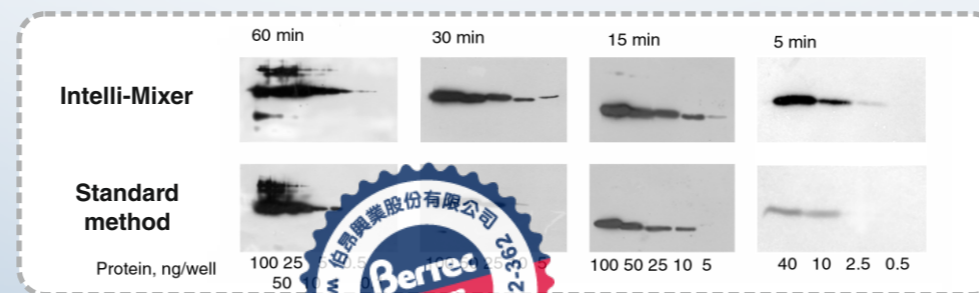
3 custom modes

- ▶ Equipped with 3 custom programs, The Intelli-Mixer allows for any combination of mixing, rotating, and pausing to be configured.
- ▶ Designing your own customized routine is as easy as holding the rack in your hand and then rotating it in any direction and at any angle.
- ▶ Every move is saved in the memory for future use.



4 Blotting modes

- ▶ The Intelli-Mixer's ultrasonic, vibration blotting modes are specifically designed for western blot protocol.
- ▶ Rigorously tested, this blotting method has consistently excelled in the following areas:
 - sensitivity** – shown to be up to 20 times more sensitive;
 - speed** – 3 to 5 times faster;
 - specificity** – up to 4 times less likely to have cross-reactivity;
 - savings** – up to 12 times less likely to require the use of reagents.



12 Rocking modes

- ▶ The Intelli-Mixer's powerful motor drive combined with the thoughtfully designed rocking program ensure a consistently reliable, high performance in all 12 applications.
- ▶ Its speed controller automatically alternates between RPM and Shakes Per Minute to guarantee precise control and reproduction.
- ▶ The innovative design of the rocking platform, with anti-slip surface, provides ample room for a variety of samples while insuring no turnover even in the event of a power outage.

Rocking platform



Blotting rack



Mix rack



Rack 30



Rack 16



Rack 13



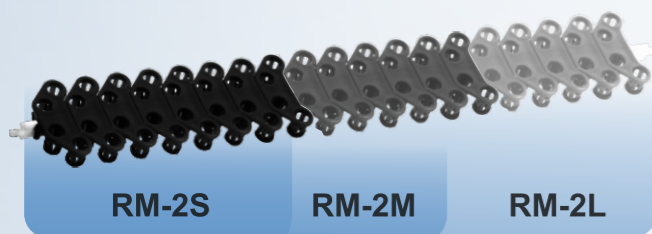
Rack 11



Rack 8



Optional rack length



Custom racks by request



Technical specifications

Rotation speed	RPM	from 1 up to 99
Rotation speed settings step	RPM	
Overall number of operation regimes		28 standard + 3
Environmental temperature	°C	from 5
Relative air humidity (at 20 °C)	%	
Power supply adaptor	⊖ ⊕	DC 12V



Tubes fitment

Rack name	Suitable tube dimensions	Max number of tubes		
		RM-2S	RM-2M	RM-2L
Rack 8	Diameter: 7.5 - 8 mm Length: 14 - 130 mm	28	32	44
Rack 11	Diameter: 8 - 11 mm Length: 20 - 130 mm	28	32	44
Rack 13	Diameter: 11 - 13 mm Length: 20 - 130 mm	24	28	38
Rack 16	Diameter: 14 - 16 mm Length: 60 - 150 mm	14	16	22
Rack 30	Diameter: 25 - 30 mm Length: 60 - 150 mm	8	10	14
Mix rack	30mm/16mm/13mm/11mm	2/4/4/8	2/4/8/8	2/4/12/16
Blotting rack	Diameter: 25 - 30 mm Length: 60 - 130 mm	6	6	12
Rocking platform	Flat flasks	1+	1+	1+

Fugamix™ technology.

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. Plus, **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

Technical specifications

		CM-70M-07	CM-70M-09
Centrifugation speed	RPM	from 2000 up to 7000	from 4000 up to 9000
Maximum centrifugal force	RCF	3200	5200
Timer	min	0.1 - 30	0.1 - 30
Number of vortexing modes		6	
Custom sample preparation mode		1	
Dimensions (L x W x H)	mm	190 x 170 x 125	190 x 170 x 125
Power supply adapter		24 VDC, 3.75A	24 VDC, 3.75A
Weight	Kg	1.5	1.5



CM-70M09

- ▶ 9,000 RPM
- ▶ 6 Levels of mixing
- ▶ Automated spin-mix-spin programs for sample preparation
- ▶ Digital timer
- ▶ 2 Optional rotor selections
- ▶ Optical lid lock

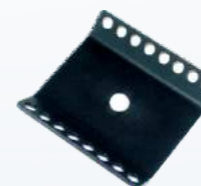
CM-70M07

- ▶ 7,000 RPM
- ▶ 6 Levels of mixing
- ▶ Automated spin-mix-spin programs for sample preparation
- ▶ Digital timer
- ▶ 2 Optional rotor selections
- ▶ Optical lid lock



Mix rotor

Specially designed aluminum spindown and mixing rotor. Maximum capacity: 12 tubes 0.2 - 2 ml



Strip rotor

Universal strip rotor for two 0.2 ml standard PCR strips.



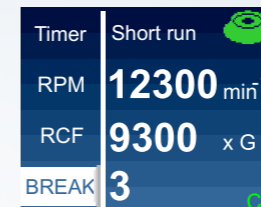
World's most advanced Liquid handling Technology

Fugamix³™

Model: CM-50M



Interface



Custom-designed **Fugamix-3™** interface offers outstanding clarity. Automatic rotor recognition alters the display to reflect new



Using the sound, brightness and language options everyone can make the machine more personal and adequate the current operation environment.

Key features

- Simple, yet exceptionally powerful and versatile centrifuge
- Intense vortex for up to 12 x 0.2-2ml tubes with 12 levels of shaking
- Specially-developed shaking mode to imitate hand shaking
- 4 Rotor options with rotor recognition
- Intuitive and clear interface with large color display
- Display preferences include the following:
 - Language
 - Brightness
 - Sleep mode
 - Sound volume
- Sample prep Spin-Mix-Spin mode
- Short Spin button
- 15300 RCF
- Quiet operation
- Imbalance control system with great tolerance
- Strong high tech motor
- Patented motor control driver
- Innovative automatic rotor recognition
- Ultra-smooth vibration-free run, due to unique drive chassis
- Custom Spin-Mix-Spin mode for an array of applications
- Large buttons for separate vortexing or centrifugation

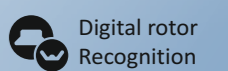
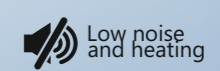


Main control buttons are made of soft tactile rubber and are located separately from the adjustment panel to insure best user experience.

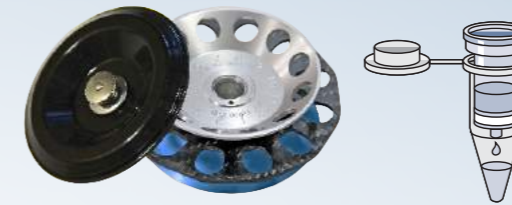


Customizable Spin-Mix-Spin applications are capable of automating the whole list of routine works.

Applications



Standard rotors



Ready to spin columns



Rotor 50.01

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.

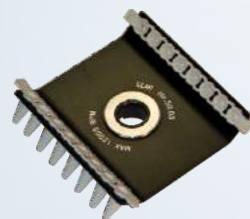
Max:15000 RPM



Rotor 50.02

Specially designed Spin-Mix rotor for 0.2 - 2 ml tubes, that enable mixing and spinning down up to 12 tubes simultaneously in the same rotor.

Max:12500 RPM



Rotor 50.03

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

Max:12500 RPM

Rotor 50.04

The CM-50M **Fugamix-3™** features our patented **CarbonSpin™** rotor.

This rotor is composed of precisely machined proprietary aluminum alloy, significantly improving efficiency and ventilation.

To reduce the rotors weight while simultaneously increasing efficiency during intensive shake cycles, a custom carbon fiber layer stability ring was implemented.

The dependable design allows the user to spin and vigorously shake any substance, including heavy beads, for as long as the experiment requires.

Rotor is provided with a specially designed lid, that allows to spin tubes with caps open loaded with columns.

Max:12500 RPM

Technical specifications

Centrifugation speed	RPM	from 1000 up to 15000
Maximum centrifugal force	RCF	15294
Timer	min	from 0.1 up to 99
Number of vortexing modes		12
Custom sample preparation mode		1
Dimensions (L x W x H)	mm	200x180x145
Power supply adapter		24 VDC, 5A
Weight	Kg	3.1

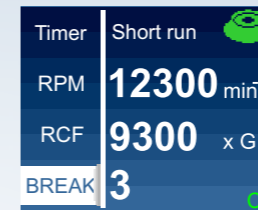


Centrifuge CM50

3rd generation



Interface



Custom-designed Fugamix interface offers outstanding clarity and comfort.



Using the sound, brightness and language options everyone can make the machine more personal and adequate the current operation environment.

Rotor



Rotor 50.01

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.

Max:15000 RPM

Key features

- Simple, yet exceptionally powerful and versatile centrifuge
- 15000 RPM 15300 RCF
- Patent pending digital motor driver SkySpin(tm) that insures extraordinary performance, low noise, low heating and smooth operation.
- High tech digital imbalance sensor with great tolerance.
- Advanced new chassis insure super-smooth run even when slightly imbalanced.
- Secure lid lock.
- 5 rotor break levels.
- Intuitive and clear interface with large color display
- Display preferences include: Language, Brightness, Sleep mode, Sound volume.
- Short Spin button



Low noise and heating



Lid lock



Digital imbalance Sensor

Technical specifications

Centrifugation speed	RPM	from 1000 up to 15000
Maximum centrifugal force	RCF	15295
Timer	min	from 0.1 up to 99
Dimensions (L x W x H)	mm	200x180x145
Power supply adapter		24 VDC, 5A
Weight	Kg	3.1



Centrifuge CM-6MT

User-Friendly Operation

Outfitted with a user-friendly, digital control panel; RPM/RCF optional indicator; sound notification; and a digital rotor imbalance sensor; this unit is truly designed with ease-of-use in mind.

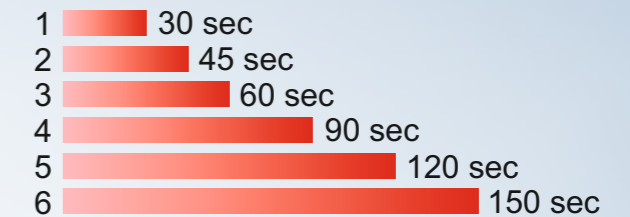
Designed For Safety

This centrifuge is cold room and refrigerator safe, and comes equipped with a transparent lid and automatic lid lock for extra convenience and safety.

Rapid Acceleration/Braking System

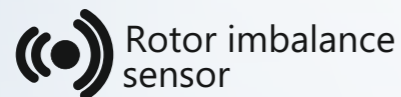
The CM-6MT has a rotational speed of up to 3500 RPM, and comes with a highly responsive rapid acceleration/braking system.

Braking levels Stopping time from 3500 RPM to 0



Compact And Versatile

The CM-6MT, with its exceptionally slim design, is one of the most compact and versatile swing-out centrifuges on the market.



Most Advanced, Service-Free Drive

Powered by the industry's most advanced, service-free drive and used in labs worldwide, the CM-6MT has proven to be an incredibly versatile, long-lasting, extremely quiet centrifuge that would make an outstanding addition to your laboratory.

Wide selection of rotors

This multifaceted unit can accommodate 6 rotor options: 12 test tube/15 ml volume, 24 test tube/50 ml volume, 24 test tube/100 ml volume, and a rotor that can accommodate two 96-well plates ranging in sizes from 100 mm to 150 mm. It also features deep well plates with 2 ml volume.

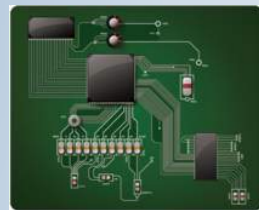


TECHNICAL SPECIFICATIONS

Rotor rotation speed	RPM	100 - 3500
Timer	min	1 - 99
Maximum centrifugal force	RCF	2300
Brake levels		6
Working range of temperatures	°C	from +10 up to +40
Relative air moisture at 20 °C	%	80
Voltage and frequency	V,Hz	100 - 240V; 50/60Hz
Maximal consumable power	W	250
Size of the device (L x W x H)	mm	430 x 410 x 220
Weight	kg	12.6

Centrifuge CM-7S

Advanced technology



- SkySpin™ patented motor controller.
- Sensorless Accu-Logic architecture
- Digital speed and balance controller.
- Increased durability.
- Smooth, noiseless and non-heating operation.



Advanced interface



Major control buttons: "Start/Stop" and "Open" are comfortably located right underneath the lid handle. No matter right or left handed user can always reach the control buttons with a thumb.



Large colorful LCD display makes navigation and settings very simple and fast. All the settings are displayed simultaneously which is very convenient.



Easily accessible settings menu allows additional fine tuning. User can adjust display brightness and sound volume to insure maximum comfort.



Low noise and heating



Lid lock



Service free drive



Rotor imbalance sensor

TECHNICAL SPECIFICATIONS

Rotor rotation speed	RPM	100 - 3500
Timer	min	1 - 99
Maximum centrifugal force	RCF	2300
Brake levels		6
Working range of temperatures	°C	from +10 up to +40
Relative air moisture at 20 °C	%	80
Voltage and frequency	V,Hz	100 - 240V; 50/60Hz
Maximal consumable power	W	250
Size of the device (L x W x H)	mm	430 x 410 x 220
Weight	kg	12.6



Rotors for centrifuges CM-6MT & CM-7S



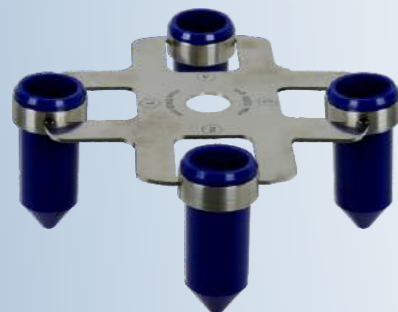
ROTOR 6M

Universal rotor for 12 adapters.
Maximal volume of compatible test tubes: 12 ml.
Maximal sizes of the applied test tubes: (D x L) 16.8 x 115mm.
Top speed: 3500 rpm.



ROTOR 6M.04

Rotor for 2 plates.
Size of applied plates: (W x L x H) 86 x 128 x 20 mm.
Top speed: 2500 rpm.



ROTOR 6M.01

Universal rotor for 4 adapters.
Maximal volume of compatible test tubes: 50 ml.
Maximal sizes of the applied test tubes: (D x L) 30 135 mm.
Top speed: 3500 rpm.



ROTOR 6M.05

Universal rotor for 12 adapters.
Maximal volume of compatible test tubes: 15 ml.
Maximal sizes of the applied test tubes: (D x L) 16.8 x 140mm.
Top speed: 3500 rpm.



ROTOR 6M.02

Universal rotor for 24 adapters.
Maximal volume of compatible test tubes: 12 ml.
Maximal sizes of the applied test tubes: (D x L) 16.8 115 mm.
Top speed: 3500 rpm.
Test tubes of 140mm length can be fitted in the external row.



ROTOR 6M.06

Universal rotor for 6 adapters.
Maximal volume of compatible test tubes: 50 ml.
Maximal sizes of the applied test tubes: (D x L) 30 135 mm.
Top speed: 3500 rpm.

