



Vortex

Cleaver Scientific's new variable speed Vortex Mixer combines fast, efficient mixing with minimal vibration. Unlike other vortex mixers using elliptical orbits, the CSLVORTEX true circular orbit facilitates uniform sample-vortexing even at low speed. The CombiHead™ head, which is supplied as standard, accepts many different tube sizes, while the unique overmoulding technology used in its manufacture provides a sturdy plastic core with non-slip TPE that fits optional heads for microplates, microtubes, PCR strip tubes, 15ml and 50ml tubes and blood vials.

CSLVORTEX may be used in 'touch' or continuous mode: 'touch' mode being activated by simply depressing the sample head and then stopped by releasing the pressure. An optimised counter balance system within the CSLVORTEX minimises vibration and movement of the unit during operation, whereas its lightweight construction and small footprint allows it to be readily transported and used in areas where space is restricted. The CSLVORTEX is also safe for use in temperature controlled environments, and may be used within a cold room.

FEATURES:

- Powerful, reliable motor with optimised counter balance
- Circular orbit for effective vortexing at any speed
- CombiCup head accepts a variety of tube sizes
- Versatile head attachment accessories for microplates and different tube sizes



ORDERING INFORMATION

CSLVORTEX	Cleaver Vortex Mixer with general purpose head
SO200-21	Optional Head Attachment for 24 x 1.5/2.0ml Tubes, 24 x 0.5ml Tubes and 32 X 0.2ml Tubes (or 4 Tube
SO200-22	Optional Head Attachment for 1 Microplate or 64 x 0.2ml Tubes or 8 x 0.2ml Tube Strips
SO200-23	Optional Head Attachment for 8 x 15ml and 8 x 12/13mm Diameter Tubes
SO200-24	Optional Head Attachment for 6 x 50ml Tubes
SO200-25	Optional Head Attachment for 12 x 1.5/2.0ml Tubes, Held Horizontally
SO200-26	Optional Head Attachment for 4 x 15ml Tubes, Held Horizontally
SO200-27	Optional Head Attachment for 2 x 50ml Tubes, Held Horizontally

TECHNICAL SPECIFICATIONS

Speed Range	115V 0 - 3400 RPM 230V 0 - 2850 RPM
Operating Modes	Touch or Continuous
Ambient Operating Range	4 - 65°C
Dimensions (w x d x h)	14cm x 16cm x 13cm
Weight	2.2Kg
Electrical	115V or 230V, 50/60Hz

TYPICAL APPLICATIONS

Mixing of samples in tubes between 0.2ml to 50ml volume.

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FOR MORE INFORMATION

FEATURES:

- The perfect speed and tilt for blotting and gel staining
- Three-dimensional motion
- Designed for use with Blot Boxes



Blot Boxes

These gel staining/blotting boxes are available in 4 sizes and are the ideal accessory for incubating blots or staining gels. The two smaller sized boxes are available in packs of ten. The smallest box has dimensions of 9.1 x 6.6cm and a capacity for 3-5ml of solution.

This is ideal for incubating cut blot strips. The next box in the range holds 6-10ml of solution and is appropriate for mini gels and blots up to 11.7 x 8.9cm. Two larger boxes, available in single packs, can be used for staining gels or incubating blots up to 12 x 12cm or 20 x 16.5cm respectively.

ORDERING INFORMATION

CSL3DSHAKER	MiniMix 3D Shaker with 20x16.5cm tray and non-slip rubber mat, 230V
CSL-BB9X6	Gel/Blot box, 9.1 x 6.6cm, 3-5ml capacity, 10/pack
CSL-BB11X8	Gel/Blot box, 11.7 x 8.9cm, 6-10ml capacity, 10/pack
CSL-BB12X12	Gel/Blot box, 12 x 12cm, 1/pack
CSL-BB20X16.5	Gel/Blot box, 20 x 16.5cm, 1/pack

TECHNICAL SPECIFICATIONS

Speed Range	18rpm (115V) / 20 rpm (230V)
Motion	3-D, nutating
Tilt Angle	5°
Platform Size (w x d)	20x16.5cm
Ambient Operating Range	4-65°
Dimensions (w x d x h)	20.3X17.8X10.5cm
Weight	0.88kg
Electrical	115/230V 50/60Hz

TYPICAL APPLICATIONS

Staining and destaining of gels. Incubating blots.

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MiniMix 3D Shaker

The Cleaver Scientific MiniMix combines the motions of orbital shaking and rocking to produce a gentle, but thorough, 3-D action that is perfect for antibody incubation of western blots and staining gels.

The pitch and speed of the Cleaver Scientific MiniMix are optimised to generate a tilt angle that is large enough to ensure uniform distribution of solutions, yet small enough to prevent the centre of the blot from drying out. This has the added benefit of allowing users to work with minimal volumes, thus conserving valuable probes and antibodies.

A non-slip rubber mat keeps the boxes in place on the agitating platform, which, along with the housing, is very easy to clean and decontaminate after use. The MiniMix's compact and light weight design allows it to be moved around the lab where needed. It is also safe for use in an incubator or cold room for temperature controlled reactions.



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