



user instructions

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180° ACTION PEPTIDE SHAKER
CATALOG #099A WS18012, 1 amp, 120 volts, 50/60 Hz.
CATALOG #099A WS18024, 1 amp, 240 volts, 50/60 Hz.



Locate and identify parts shipped:

Shaker Unit
3-Finger Clamps

Specifications:

Ambient Temperature:	77°F/25°C +/-5°
Operating Environment:	0 to 90% relative humidity 32 to 100°F/0 to 37°C

The Glas-Col laboratory shaker is a small 180° shaker designed to hold various types of peptide glassware and laboratory glassware. The shaker has a variable speed drive and is adjustable for 0 to 30 revolutions per minute.

Shaker Set-Up

Unpack the rotator and set it on the bench top where desired. The rubber adhesive feet hold the shaker securely in place. Attach one 3-finger clamp to each end of the shaker, by sliding the clamp into the coupling and securing it with the threaded knob.

Plug the power cord from the unit into a grounded 120-volt (220 volts for WS18024) outlet. The power switch and speed dial are located on the front of the shaker. The fuse and line cord are located on the right-hand side of the shaker.

Loading Glassware

Position and secure the glassware in the middle of the 3-finger clamps, by adjusting the two-threaded thumbscrews equal amount of turns. Reverse the process to remove the glassware.

Operating the Unit

Make sure all of the glassware is secure and will clear the bench before turning the speed control to the desired setting. Flip the switch to the on position with the motor speed control set to the lowest possible setting. Observe the shaker when it makes one cycle at a very slow speed. Once satisfied that the moving glassware will clear the workbench and any other obstructions, set the motor speed to the desired setting.

Spare Parts

Spare parts for Glas-Col shakers are generally available from the factory. Consult Glas-Col for part numbers and pricing.

Limited Warranty

Glas-Col warrants products of its manufacture to be free from defects in material and workmanship for one year and agrees to repair or replace without charge any products

found defective upon examination at the factory. With proper care and operation, Glas-Col products will give long and efficient service. Chemical spillage, overloading and general misuse will greatly reduce the service life. Glas-Col is not responsible for damage to apparatus due to improper installation or through attempts to operate the apparatus beyond its rated capacity, intentional or otherwise.

Limitations of Warranties

APART FROM SUCH WRITTEN STATEMENT OF WARRANTY, THERE ARE NO WARRANTIES, EXPRESSED, IMPLIED OR STATUTORY, WHICH EXTEND BEYOND THE DESCRIPTION OF THE PRODUCTS ON THE FACE HEREOF.

Glas-Col products are intended only for legal and legitimate purposes in commercial laboratory and industrial settings.

Glas-Col reserves the right to make product refinements without prior notice.

Returns:

Call or fax Customer Service for a Return Goods Authorization (RGA) number before returning a heating mantle.

Reference the RGA number on the shipping box and on a written description of the problem.

A 20% restocking charge of the net price is charged for all standard products returned to stock.

Glas-Col
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