

QUICKSPINPLUS



QUICKSPIN Plus Mini Centrifuge

Instruction Manual

Catalogue Numbers

QUICKSPINPLUS

Record the following for your records:

Model _____

Catalogue No. _____

Date of Delivery _____

Warranty Period _____

Serial No. _____

Invoice No. _____

Purchase Order No. _____

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Safety Information



NEVER use the centrifuge in any manner not specified in these instructions.

NEVER operate the centrifuge without a rotor properly attached to the shaft.

NEVER fill tubes while they are in the rotor. Liquid spillage may harm unit.

NEVER put hands in the rotor area unless the rotor is completely stopped.

NEVER move the centrifuge while the rotor is spinning.

NEVER use solvents or flammables near this or other electrical equipment.

NEVER centrifuge flammable, explosive or corrosive materials

NEVER centrifuge hazardous materials outside of a hood or proper containment facility

NEVER try to continue operating the centrifuge if the centrifuge stops working prematurely.

Stop the centrifuge immediately by turning off the main power switch on the back side of the centrifuge. Wait one minute before turning on the main power switch to operate the centrifuge again.

ALWAYS load the rotor symmetrically. Each tube should be counterbalanced by another tube. Weight of individual tubes may not exceed of 3.0g.

ALWAYS locate the centrifuge within easy access to an electrical outlet.

ALWAYS use only micro centrifuge tubes made from plastic and designed to withstand centrifugal forces of at least 2,000 x g.

If the centrifuge is used in a manner not specified by the manufacturer, the protection provided by the centrifuge may be impaired.

These units comply with the following European directives:

**2006/95/CE Low Voltage Directive and 2014/30/UE (official Title 2004/108/EC)
EMC Electromagnetic Compatibility**

By virtue of the following harmonised standards:

BS EN IEC 61010-1: 2010 Safety Testing of Lab Equipment

BS EN IEC 61326-1:2013 EMC Electro Magnetic Compatibility

Symbols and Conventions

The following chart is an illustrated glossary of the symbols that may be used in this manual or on the product.



CAUTION This symbol refers you to important operating and maintenance (servicing) instructions within the product Instruction Manual. Failure to heed this information may present a risk of damage or injury to persons or equipment

Equipment Disposal - European Regulations

According to Directive 2012/19/EU of the European Parliament and of the Council of 4 July 2012 on waste electrical and electronic equipment (WEEE), QUICKSPINPLUS Mini centrifuge is marked with the crossed-out wheeled bin and must not be disposed of with domestic waste.

Consequently, the buyer shall follow the instructions for reuse and recycling of waste electrical and electronic equipment (WEEE) provided with the products.



Packing List

Each omniPAGE unit includes a tank, wired electrodes, lid and the following items:

SKU	Main Unit	Tube Rotor	Strip Rotor	0.5 adapter x 8	0.2 adapter x 8	0.25 adapter x 8
QUICKSPINPLUS						

Packing List Checked by: _____


Date: _____

The packing lists should be referred to as soon as the units are received to ensure that all components have been included. The unit should be checked for damage when received.

Cleaver Scientific is liable for all missing or damaged parts / accessories within 7 days after customers have received this instrument package. Please contact Cleaver Scientific immediately regarding this issue. If no response within such period is received from the customer, Cleaver Scientific will no longer be liable for replacement/damaged parts.

Please contact your supplier if there are any problems or missing items.

Specifications

Dimensions	5.9 x 5.9 4.6 in/15 x 15 x 11.6 cm
Weight	2.65 lbs/1.2kg
Electrical Input	AC 100 -- 240V,50/60Hz, 0.35
Unit Input	24VDC 1A 
Maximum speed/RCF	6000rpm/2000 x G

The QUICKSPINPLUS Mini Centrifuge is supplied with two rotors, one for micro tubes and one for 0.2ml PCR strip tubes. The 8 place rotor is designed to centrifuge up to eight individual 1.5/2.0ml plastic micro centrifuge tubes. It will also accept 0.5/0.6ml,0.4/0.25ml and 0.2ml tubes with the adapters supplied with the unit. The strip tube rotor is designed to centrifuge four 8 x 0.2ml strip tubes. It will also accept up to 32 individual 0.2ml tubes. Both rotors are designed for applications requiring relatively low g-forces, such as microfiltration, cell separation and quick spin downs from the walls of tubes.

Please read this manual thoroughly before attempting to operate the centrifuge.

Operating Instructions

Usage Guidance and restrictions

- Indoor use only
- Altitude up to 2000m
- Temperature 5°C to 40°C
- Maximum relative humidity 80% for temperature up to 30°C decreasing linearly to 50% relative humidity at 40°C

This apparatus is rated POLLUTION DEGREE 2 in accordance with IEC 664.

POLLUTION DEGREE 2, states that: "Normally only non-conductive pollution occurs.

Occasionally, however, a temporary conductivity caused by condensation must be expected".

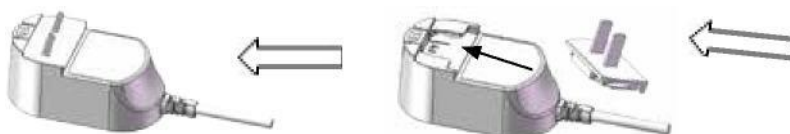
Installation

1. Make sure to always install the centrifuge on stable flat surfaces only
2. Place the centrifuge near the electrical outlet
3. Power adapter options:



4. Power adapter instruction:

Push the plug firmly into position.



Operation

Before operating the centrifuge, be sure that the power switch on the back of the unit is in the "on" position. To begin a run, simply close the lid of the centrifuge. No other controls are required.

Fast stop

Press down and release the tab on the front of the lid. This will release the lid lock, allowing the lid to open and the rotor to come to a braked stop.

Gradually stop

Put the power switch in the “off” position, this will cut the power to the motor, and the rotor to come to a gradual stop.

Caution: Do not attempt to open the lid or remove samples until the unit has come to a complete stop. Once the rotor has come to a full stop, the lid can be manually lifted to the fully open position and samples may be removed from the rotor.

Safe operation of the centrifuge requires that the rotor be loaded in a balanced fashion. Failure to load the rotor properly presents a hazardous condition and may damage the centrifuge. Individual tubes, strip tubes and/or adapters must always be loaded symmetrically to ensure proper balance. Never run the centrifuge with only one tube or one strip tube in place.

Rotors

The centrifuge is supplied with two interchangeable quick release rotors. No tools are required to exchange the rotors or attach them to the motor shaft. The rotors can be easily exchanged with one hand by way of the quick release system. Removal of the rotors is done by placing your thumb on top of the motor shaft and lifting up with two fingers under the rotor. Place the other rotor into position on the motor shaft and snap in.

Care and Maintenance

Maintenance

The centrifuge should be cleaned periodically. Ensure that the unit is not plugged in. Use a damp cloth and a mild, noncorrosive detergent (pH < 8). Do not immerse the centrifuge in liquid or pour liquids over it. Excessive amounts of liquid should be avoided. Liquid should not come into contact with the motor. After cleaning, ensure all parts are dried thoroughly before attempting to operate the unit.

Should a spill of infectious materials occur within the rotor or rotor chamber, the unit should be disinfected. This should be performed by qualified personnel with proper protective equipment.

Cleaning

Before using any cleaning or decontamination methods except those recommended by the manufacturer, check with the manufacturer that the proposed method will not damage the equipment. To clean the centrifuge, use a damp cloth and a mild, noncorrosive detergent (pH <8). After cleaning, ensure all parts are dried thoroughly before attempting to operate the unit. Do not immerse the centrifuge in liquid or pour liquids over it.

Warranty

The Cleaver Scientific Ltd. (CSL) units have a warranty against manufacturing and material faults of twelve months from date of customer receipt.

If any defects occur during this warranty period, CSL will repair or replace the defective parts free of charge.

This warranty does not cover defects occurring by accident or misuse or defects caused by improper operation.

Units where repair or modification has been performed by anyone other than CSL or an appointed distributor or representative are no longer under warranty from the time the unit was modified.

Units which have accessories or repaired parts not supplied by CSL or its associated distributors have invalidated warranty.

CSL cannot repair or replace free of charge units where improper solutions or chemicals have been used. For a list of these please see the Care and Maintenance subsection.

If a problem does occur, then please contact your supplier or Cleaver Scientific Ltd:

Cleaver Scientific Ltd.

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Rugby, Warwickshire, CV22 7DH

Tel: +44 (0)1788 565300

Email: info@cleaverscientific.com

