

INSTRUCTION MANUAL
CAT. 72360-US, 72360-EU, 72360-AU, 72360-UK
Sprout Mini-Centrifuge



Electron Microscopy Sciences
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Safety Precautions

Sprout® is a personal mini-centrifuge designed for laboratories in the bioscience, medical, and chemistry fields. It may be involved with biohazardous and/or hazardous materials. This instruction manual cannot address all safety hazards. It is the responsibility of the user to consult and observe all health and safety precautions and to assess the instrument's suitability to the task.

Caution!

Before starting Sprout® for the first time, please read this instruction manual carefully. This manual contains important information, safeguards, and operating instructions.

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1. Never use Sprout® in any manner inconsistent with these instructions.
 2. Observe general laboratory safety precautions and regulations.
 3. Do not attempt to operate with the cover removed or open.
 4. The rotor and lid must always be securely fastened.
 5. Do not use damaged rotors.
 6. Do not put hands in the rotor area unless the rotor is completely stopped.
 7. Do not move unit while the rotor is spinning.
 8. Do not immerse unit in water. Injury due to shock or fire may result.
 9. The rotor must be loaded symmetrically. Operating this unit with an unbalanced rotor will cause severe vibration and damage, which is not covered by warranty.
 10. Do not fill tubes while inserted in rotor. Spilled liquid may harm unit.
 11. Close tube lids before starting centrifuge. Open lids can be ripped off during centrifugation and damage the unit.
 12. Do not insert non-standard tubes or other foreign articles into the rotor.
 13. Follow all precautions from the Material Safety Data Sheet (MSDS) for any reagent you use with this instrument.
 14. Do not use solvent or flammable liquids near this or other electrical equipment.
 15. Do not centrifuge flammable, explosive, or corrosive materials.
 16. Do not operate in a hazardous or flammable environment.
 17. Do not use any solvent on the unit that may attack plastic or cause cracks in the rotor.
 18. Ensure the rotor is protected from corrosion and mechanical damage. The rotor must be cleaned with a pH-neutral cleaning liquid.
 19. Always work in a manner which endangers neither the user nor any other person.
 20. Should the instrument fail to work to specification, immediately stop centrifuging. Clean and troubleshoot the instrument according to the instructions under "Trouble Shooting" before any further use of the instrument. Contact an authorized dealer or the manufacturer if trouble persists.
 21. Do not stop rotor while unit is turned ON. Doing so may cause the unit to fail and will void the warranty.
 22. Only use original manufacturer's accessories (rotors, and adapters) and spare parts.
 23. Repairs are to be performed by trained and authorized service personnel only. Contact Electron Microscopy Sciences.
 24. Opening the instrument housing or improper use of the instrument voids the warranty. If there is a failure during the warranty period, contact Electron Microscopy Sciences for warranty service.
 25. Do not use units that have not been correctly installed or repaired.

26. Do not attempt to disassemble or modify.
27. Store at room temperature in a dry area. Do not expose to sunlight, moisture, or extreme temperatures for prolonged periods of time.

Technical Data

Maximum speed: 6.000 rpm
Maximum RCF: 2,000 x g
Electrical: 110/120 VAC @ 50/60 Hz or 220/230 VAC @ 50/60 Hz
Fuse: 0.10 A, 110 VAC

CE

This mark is the confirmation that the unit conforms to the EU guidelines and has been tested according to the following EU Declaration of Conformity.

Conforms to UL Std. 61010-1 .
Certified to CAN/CSA C22.2 No. 1010.2.020-94.

Disposal Responsibilities

The equipment you purchased may contain hazardous substances that could impact the environment. Per regulations on electronic devices in the European Community, you must use the appropriate disposal systems to avoid exposure of these substances to the environment. The disposal systems will reuse or recycle hazardous materials from your equipment responsibly.

The crossed-out wheeled bin symbol invites you to use those systems.



If you need more information on the collection, reuse and recycling systems, please contact your local or regional waste administration. You can also contact us for more information on the environmental performance of our products.

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