



Model pictured:  
ZIPSpin (ZPC-06AV-0201)

See back page for model specifications.



- A Safety Switch in Lid
- B Rotor (6 & 12 Tube)
- C Indicator Light
- D On/Off Switch
- E Variable Speed Control
- F All Metal Construction

### Introduction

The LW Scientific portable centrifuge, Model ZIPSpin, is designed for all routine blood, and fluid separations, as well as the centrifugation of urine specimens as outlined by C.L.I.A. Regulations.

### Performance

Maximum speed depends on the number and size of the test tubes being spun. For light loads, the maximum speed is 7,500 rpm.

**Recommended  
Upgrades:**

Ask your  
authorized LWS  
dealer about  
additional  
accessories

## Installation & Setup

- 1 Remove the centrifuge from the shipping container and inspect for any possible shipping damage. If the centrifuge appears to be damaged, please contact your distributor immediately.
- 2 Read and fill out the warranty card and return the address portion (mail or fax it to LW Scientific). The warranty card documents your purchase. Failure to fill out and return the warranty card may void any warranty claims on the unit.
- 3 Place the centrifuge on a sturdy, level surface. Verify that there are no loose objects or packing material in the tube chamber.
- 4 Verify that the power switch is in the "OFF" position and plug the AC/DC adapter into an approved and properly grounded 110V or 220V AC outlet. Do not insert specimen tubes at this time!
- 5 Turn the centrifuge on. If there is a smooth whirring sound and the unit accelerated with little or no vibration, your ZIPSpin centrifuge is ready to operate. If there are loud or unusual sounds, or if you experience excessive vibration, DO NOT OPERATE—Contact your dealer or LW Scientific, Inc.
- 6 Spin only balanced loads. Make sure that all tube shields are filled with equal weight tubes. Tubes of equal weight and size should be placed opposite each other. Use sample or water to provide balance. Proper sample balancing will improve sample separation and will extend the life of the centrifuge. Out of balance loads may damage the centrifuge.

## Care & Maintenance

With proper care and maintenance, the ZIPSpin centrifuge will provide years of service. Please follow these guidelines:

- A) Never force a tube into the head. The ZIPSpin was designed for 1.5ml microtubes.
- B) Clean the inside of the centrifuge. Whenever there is a test tube breakage or a spill, it is recommended that the inside of the centrifuge be cleaned, and if possible, disinfected (Do not immerse the electrical components in any liquid).

C) Motor and electrical maintenance: The ZIPSpin utilizes a maintenance-free brushless motor and its bearings are permanently lubricated. It should not need servicing for the life of the centrifuge. Likewise, the electrical components were designed for high reliability and should not need regular service. However, if repairs should be needed, please contact LW Scientific, Inc.

## Specifications

Nominal speed:	0-7,500 RPM	Depth:	8 inches	Dial Setting	Range
Maximum G-force:	2,850 g	Weight:	3.5 lb.	Low	3000-4000
Max. Volume:	9 ml	Boxed dimensions:	8.5 x 10.5 x 6 in	Half	5000-6000
Max. Power:	12 volt DC	Boxed weight:	6 lbs.	Full	7000-7500
Height:	4.5 inches				
Width:	6 inches	Average Speed:*			

\* These are average speeds, which vary slightly between units, and with load size. Please use a tachometer for actual RPMs on your unit and for calibration purposes.

## Warranty

Your ZIPSpin centrifuge is covered by a limited 1-year warranty on parts and labor. If the centrifuge or any of its parts should fail during this period, simply contact LW Scientific, Inc. for a "Return Merchandise Authorization" for repair or replacement. Any attempts to repair the centrifuge or replace any of its parts without authorization from LW Scientific, Inc. may void the warranty.

