

# USA MXU Combination Centrifuge

The USA MXU Combination Centrifuge **spins everything** a clinic requires, from veterinary fecals with coverslips to serum separations to urine sediments and even microhematocrits! This unit features a HYBRID rotor with both angled and swing-out tube sleeves, and is specifically designed to spin 75mm microhematocrit tubes and 1-15ml microtubes and test tubes. This USA-made centrifuge features a ZERO-RPM locking lid for safety and digital programming of time and speed ranging from 800-3400rpm. Achieve up to 1450g with the fixed-angle tube sleeves and 1809g with the swing-out tube sleeves resulting in clean, easy-to-read lines of separation. The HYBRID rotor allows for 4 swing-out fecals with coverslips on the tubes while spinning for the BEST ova recoveries, and the removable rotor and bowl makes cleanup a breeze!

To run microhematocrit tubes, simply insert your 75mm capillary tubes into the Crit Carrier, place carriers into the two opposing angled tube sleeves for a balanced load, and spin at 3,400 rpm for 6 minutes for accurate Packed Cell Volume (PCV) percentages.

## REMOVEABLE BOWL



## HYBRID ROTOR



## ADVANTAGES

- Accurate speeds for specific g-forces
- Proper separations without cell damage
- Quiet, vibration-free operation
- Auto-brake stops the rotor in less than 30 seconds
- Spins 8, 75mm microhematocrit tubes and up to 6 serum or urine test tubes
- Designed, Engineered, and Assembled Proudly in America
- Removable bowl for easy cleaning

## DESIGN FEATURES

- Combination Swing-out and Angled hybrid rotor, 6-tube capacity
- Holds 1ml to 15ml size test tubes and 75mm capillary tubes
- Programmable Digital Time and Speed
- Fixed-angle tube sleeves: 2-place 1-15ml tubes
- Swing-out tube sleeves: 4-place 1-15ml tubes

## SPECIFICATIONS

- 800-3400 rpm & up to 1,809 g-force
- 12-volt maintenance-free brushless DC motor
- 110/220v auto-switching power adapter
- 53 dBA +/- 3 dBA @ 18"-24"

## CONTROLS

- Touchpad digital time and speed controls

## USA MXU Combination Centrifuge

Model #	Description
MUC-06HD-15T3	USA MXU Digital Combo Centrifuge, 6-Place Hybrid Rotor, Crit Carriers

## INCLUDES

- Power adapter (CE, UL, cUL approved)
- 6-place hybrid rotor**
  - 4 black metal swing-out tube sleeves (max. tube size of 17x130mm)
  - 2 silver metal angled tube sleeves (max. tube size of 17x130mm)
  - 6 black plastic tube sleeve inserts (tube size of 10.25x65mm)
  - 6 green plastic microtube inserts (1ml-2ml microtubes)
- Pair of 4-place Crit Carriers
- EZ Reader Card for PCV

## WEIGHT AND DIMS

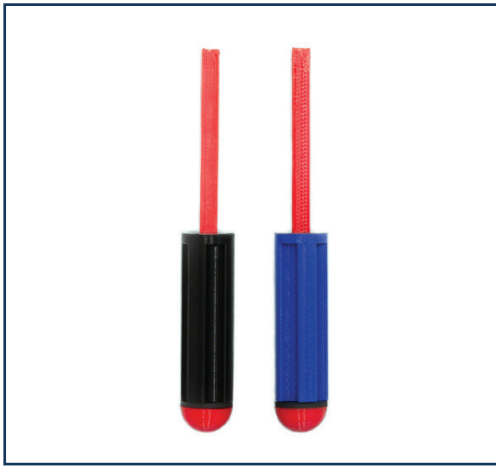
- Height: 9.12" (231 mm)
- Length: 16" (406 mm)
- Width: 14" (355 mm)
- Weight without rotor: 17.1 lb (7.76 kg)
- Weight with rotor: 18.35 lb (8.32 kg)



Designed, Engineered & Assembled Proudly in America



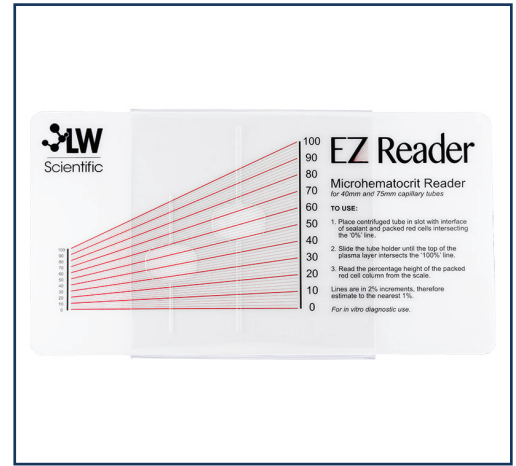
# 3 EASY STEPS TO ACHIEVE ACCURATE PCV RESULTS:



Insert capillaries in the Crit Carrier.

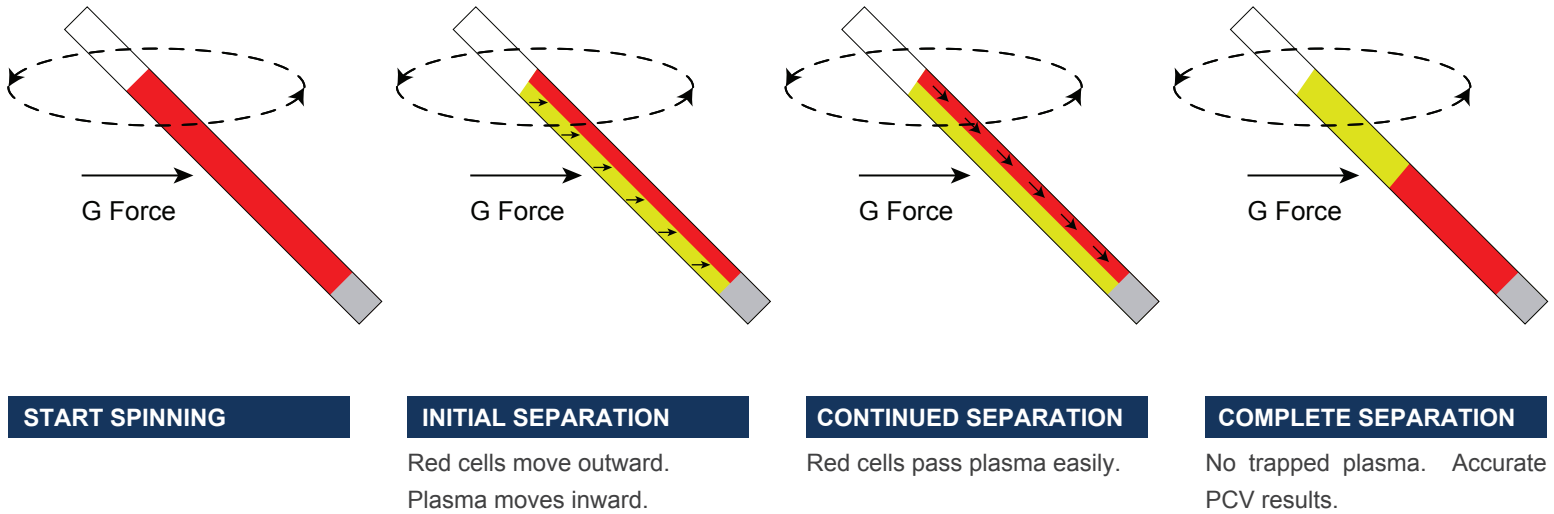


Insert the carrier in the metal tube sleeves.



Spin at 3,400 rpm for 6 (+/-1) minutes.

## EXPLANATION OF MICROHEMATOCRITS IN AN ANGLED CENTRIFUGE:



In a traditional microhematocrit centrifuge with a flat rotor, the red cells and the plasma must pass through each other horizontally in the narrow tube. In this case, very high speed and g-force is needed to reduce trapped plasma. When using LW Scientific Crit Carriers in an angled rotor, the red cells initially move to the outer tube wall while the plasma initially moves to the inner tube wall. Then, they pass each other easily as the red cells travel down to the bottom of the tube and the plasma travels to the top. With more efficient separation and ZERO trapped plasma, the PCV value will be accurate.

*The MXU Combination Centrifuge is a FDA registered, Class II medical device.*

*Comparable results to the HemataStat II angled PCV centrifuge sold to the human market. The HemataStat II produces PCV results at 2,000 g-force in 1 minute.*