



UltraCW[®]

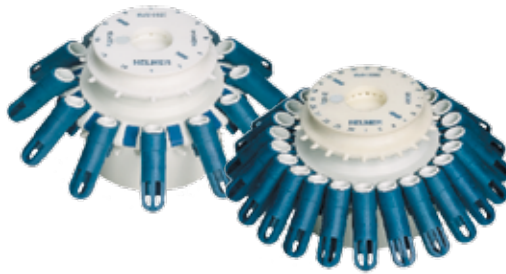
**Cell Washing
Perfected**





CELL WASHING PERFECTED

Helmer innovation brings you the most advanced automatic cell washing system, with increased capabilities and exceptional benefits. The UltraCW offers touch-pad controlled, digital calibration of saline volume providing precise and consistently reproducible results. It also features economic time savings and quicker results with cycles completed in 18% less time than other cell washers. Ultra quiet operation significantly reduces workplace noise, and a lower profile offers convenient access and a comfortable working position. Our superior warranty ensures a highly dependable cell washer that will be a welcome addition to your blood bank. Just what you expect from a Helmer product...



UltraCW® BENEFITS

Consistent Reproducible Results

A Hall-effect flow meter electronically provides precise saline fills for consistent, reproducible results. Digital calibration provides easy and accurate control of saline volume. The peristaltic pump allows the saline supply to be located either above or below the UltraCW.

Simple To Program

Convenient touch pad with digital LCD display makes the UltraCW simple to program. Process information, programming prompts, and low saline/imbalance messages are displayed as well as time and wash cycle status. End of process alerts are both audible and visual.

Time Saving Performance

Save 16 seconds per wash, or about one minute for four complete wash cycles. Experience one hour time savings when performing an average of 60 wash cycles per day.

Twice The Capacity With Optional 24-Place Rotor

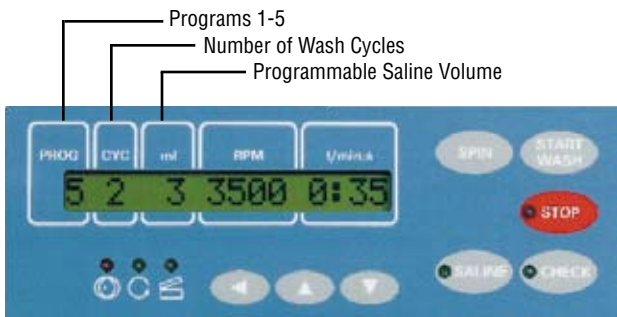
The 24-place rotor provides twice the cell washing capability with only one system. Antibody identification can be completed in one spin.

Unique Rotor Design

During the decanting sequence the rotor spins in the opposite direction locking all tube holders in place. This allows the decanting sequence to be completed without the use of a conventional plunger valve design and eliminates the need to remove the bowl for cleaning. In addition, both 12 and 24-place rotors accept either 10 x 75mm or 12 x 75mm standard tubes. (All UltraCW rotors include 12 x 75mm tube holders and removable 10 x 75mm inserts.)



12-place rotor with removable inserts



Control Panel



Low profile

UltraCW® CONSTRUCTION

Superior Construction

The UltraCW has a powder-coated body and chrome-plated brass rotor hub. A brushless, variable speed motor provides quiet operation and minimizes ambient noise.

Low Profile For Easy Access

The UltraCW has been designed with a lower profile to provide easy access to your samples, creating a more comfortable working position at your countertop.

Saline Removal Channel

The Saline Removal Channel is a drain system that directs decanted saline out of the UltraCW. It can be removed for easy cleaning.

Quick View Window

The UltraCW has a clear window in the lid which allows for easy viewing and rpm calibration.

Lid Interlock

A safety lid interlock prevents lid opening during operation.



Saline Removal Channel

OPTIONS AND ACCESSORIES

24-Place Rotor (Part No. 450002-1)

The UltraCW comes standard with a 12-place rotor. An optional 24-place rotor is available.



24-place rotor

Replacement Tubing

Pump Assembly (Part No. 450005-1)

Fill/Drain Assembly (Part No. 450006-1)

PROGRAMMING CAPABILITIES

Fully Programmable

The UltraCW offers full programming capabilities. Up to nine wash cycles, saline volume, spin time, number of agitations, decant speed, and rpm are all user selectable. Five programs may be stored for repeated use.

Custom Programs

Parameters can be modified to create custom programs.

Spin Cycle With Automatic Agitation

Automatic agitation takes place before each single spin saving more valuable time.

Step Process

The UltraCW can be used for 37°C saline wash cycles. Saline must first be warmed in a laboratory heating device.

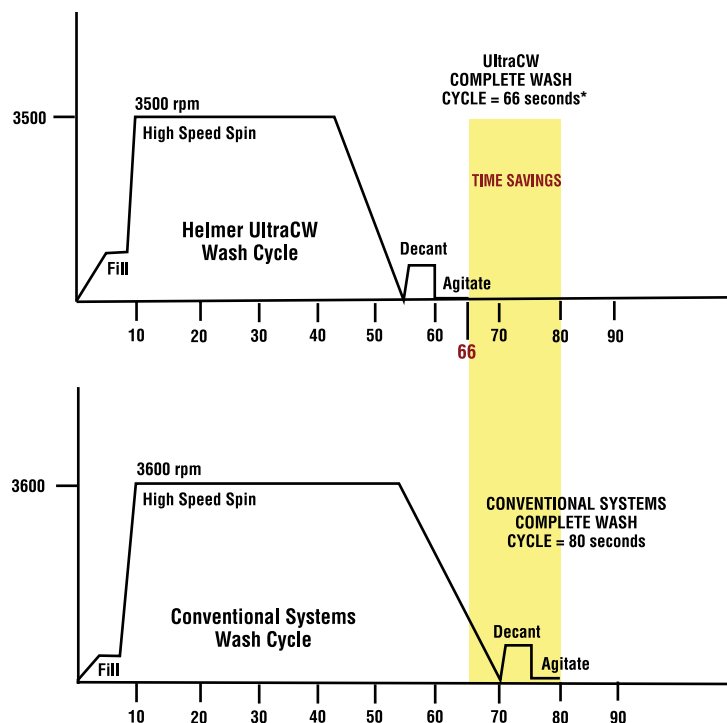
Check Button

The UltraCW may be interrupted after each phase of the cell wash cycle to allow sample access. Cycle may be resumed by pressing the start button.

Clean Program

The UltraCW features a cleaning program for easy maintenance of the unit.

WASH CYCLE COMPARISON CHART



*Cycle time may vary based on unit settings.

PRODUCT WARRANTY & SPECIFICATIONS

UltraCW[®] WARRANTY

2 Years Parts
1 Year Labor at Helmer

With Helmer's unique Rapid Resolution* and i.Care support, our professional service staff moves fast to assure you the best care you can receive.

These warranties are available in the U.S. and Canada. For information on international warranties, please contact your local distributor.

* With Rapid Resolution, Helmer service technicians will determine the fastest method to resolve your service issue.

SPECIFICATIONS

Electrical	115 volts 60Hz / 2.5 amps 230 volts 50/60Hz / 1.5 amps
Maximum RPM	3,500
Height Lid Open	22.5" (57cm)
Height Lid Closed	11" (28cm)
Width	13" (33cm)
Depth	15.5" (39.5cm)
Weight	51.5 lb (23.5 kg)

Certified to UL and CSA standards by Entela
Specifications subject to change



ABOUT HELMER

Established in 1977 to serve the life science market, Helmer is a manufacturer and worldwide distributor of high quality laboratory equipment and refrigerated products. We have combined our experience and innovation to bring you the most advanced Cell Washing System available today.

For more information, please visit our website at www.helmerinc.com. We look forward to the opportunity to serve you.

AVAILABLE FROM HELMER

