

The IEC Centra W is the clear choice for trouble-free automation of washing cells for antiglobulin testing.

IEC Centra® W

Automatic Cell Washer



Easy-to-Use

- Automatic 85 second wash cycle
- Programmable: up to 4 user defined wash cycles with programmable memory for final spin time up to 999 seconds
- Fast acceleration and deceleration
- Easy-to-use flow valve

Flexible

- Automatic or manual operation
- Compact, lightweight and portable
- Uses standard 10 x 75 mm or 12 x 75 mm tubes

Simple to clean and maintain

- Easy-to-use and maintain autoclavable rotor—removable rotor chamber bowl
- Brushless motor, corrosion proof precision rotor and simplified electronics assure years of trouble-free operation

Safe

- Positive interlock system with counter-balanced cover
- Audible end-of-run signal and low saline level alarm

The IEC Centra W automatic cell washer does it all in an 85 second cycle: dispenses saline, washes, decants, agitates and even does the final AHG spin.

Single Key Operation

Program all steps of your wash cycles just once, and from then on, operate the unit by simply loading the rotor, shutting the cover and pressing the start key. With an 85 second wash cycle, the Centra W makes cell washing easy and fast. It automatically performs an 80 second Coombs test and other cell washing procedures with a level of consistency that cannot be achieved by even the most skillful manual technique.

Flawless, Consistent Results

After the spin cycle, the rotor adjusts to a very precise decant angle, allowing it to retain more washed cells and remove more residual saline than the best manual technique. The results are clean, dry cell buttons... every time.

Membrane Touch Control Panel

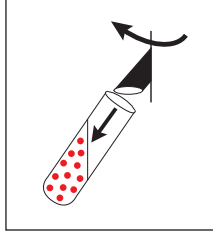
Select up to four pre-programmed wash cycles via the touch-tone control panel. LED displays show the cycle in progress and time remaining. An audible signal and panel light alert you to the completion of the run. The unit also allows for manual operation with a programmable memory for spin time up to 999 seconds.

Easy to Use and Maintain Rotor

The brushless motor and permanently lubricated sealed bearing significantly reduce maintenance. The clear tube holders allow the user to inspect samples and take note of any breakage. It accepts up to twelve 10 x 75 mm or 12 x 75 mm tubes with no need for clips or adapters.

Cell Washing Procedure

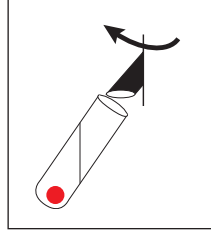
The basic 85 second wash cycle routine is permanently stored in memory. You only need to program the required number of washes. The system automatically eliminates the “agitate” step from the final wash cycle so that the clean pellet is well defined at the completion of the run.



Step 1: Fill

700 rpm @60 Hz;
580 rpm @50Hz

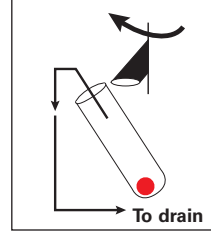
Saline is drawn from any convenient reservoir by the built-in peristaltic pump and passes through the rotor distributor to the tubes in a controlled stream, thus ensuring complete resuspension of cells. Components that come in contact with wash solution are inert to eliminate any chance of contamination.



Step 2: Spin

3550 rpm @60 Hz;
2950 rpm @50Hz

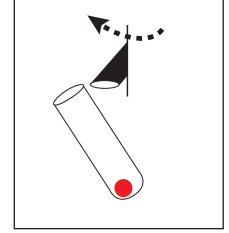
The system rapidly accelerates to full speed for fast, effective separation of cells from the wash solution. Automatic, dynamic braking at the end of this step provides rapid deceleration with no danger of resuspension or dislodging of the cell button.



Step 3: Decant

700 rpm @60 Hz;
580 rpm @50Hz

The rotor holds tubes at a slight negative angle and spent saline is expelled from tubes by low centrifugal force. This action retains virtually all cells in the tubes while effectively removing almost all residual saline.



Step 4: Agitate

This step is included on all but the frail wash cycle. By the rapid “stepping” motion of the rotor, cell pellets are dislodged from the walls of the tubes to ensure complete resuspension of cells during subsequent wash cycles. If desired, the agitation sequence may be manually added at the end of the run, or at the beginning of the final spin.

Centra W Cell Washer Specifications

Specifications

Cycle Time:	85 seconds
Tube Dimensions:	10 x 75 mm; 12 x 75 mm
Spin Speed:	3550 rpm (60 Hz) 2950 rpm (50 Hz)
Fill/Decant Speed:	700 rpm (60 Hz) 580 rpm (50 Hz)
Timer:	999 sec
Display:	LED
Maximum Speed, RPM:	3550
Maximum RCF:	1200 xg
Maximum Capacity:	12, 10 x 75 mm, 12 x 75 mm
Dimensions, W x D x H	
Cover Closed:	12.6 X 17.1 X 15.2 in (32.1 x 43.5 x 38.6 cm)
Cover Open:	12.6 X 17.1 X 24.7 in (32.1 x 43.5 x 62.7 cm)
Electrical Requirements:	120V, 60 Hz
Shipping Weight:	39.3 lbs (17.8 kg)
Certification:	CSA certified

Ordering Information

Cat. No.	Description
2392	Centra W Cell Washer (120/240V / 50/60Hz)

Rotors and Accessories for Centra W Cell Washer

4770	Rotor Assembly for Centra W
50019	Replacement Tubing Kit
50008	Spare Parts Kit (includes Replacement Tubing Kit)



Full spin and decant positions for rotor assembly

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