CURIOX
BIOLOGY AT ITS BEST

# The Laminar Wash™ HT2000 System

## Centrifuge-less Sample Preparation for Flow Cytometry and Single Cell Sequencing

The Laminar Wash HT2000 System employs the only suspension-cell sample preparation method that eliminates the centrifuge and the problems it introduces. It is designed to produce the most quantitative and reproducible results for single cell sequencing and flow and mass cytometry.

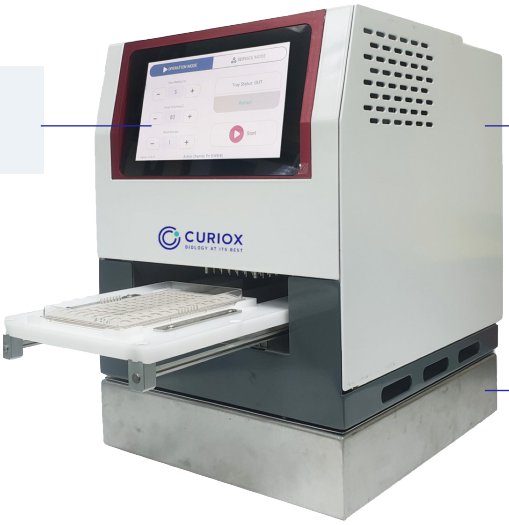
**Upgrade from the Centrifuge.**

- **Minimize aerosolization** – Reduce the amount of aerosolization compared to a centrifuge and contain infectious samples
- **Increased Cell Retention for low numbers of cells** – For splenocytes and TILS or with rare populations of cells. Reliably high cell retention even with 100's of cells per well
- **Higher viability** – For higher percentages of viable cells after processing compared to centrifugation.
- **Rapid Time to Process** – The system completely washes 96 samples in 4 minutes
- **Better Sequencing Data** – Reduced background with more thorough wash.
- **No Pelleting of Cells** – Reduces doublets, clumping, and clogging.
- **Standardized Results** – Reduces manual pipetting errors and errors associated with multiple personnel changes and locations
- Higher Stain Index – For better resolution of populations
- **Cleaner Data** – Improved cell segregation and resolution; Reduces debris and aggregation of cells
- **Small enough to fit inside a biosafety cabinet**

"Laminar Wash technology promotes cell viability and stability and has proven consistency at low cell counts producing reliable and reproducible results."

*Dr Blanca Ponce-Ngo, Montefiore Medical Center*

Touch-screen interface controls starting volume, flow rate and number of washes.

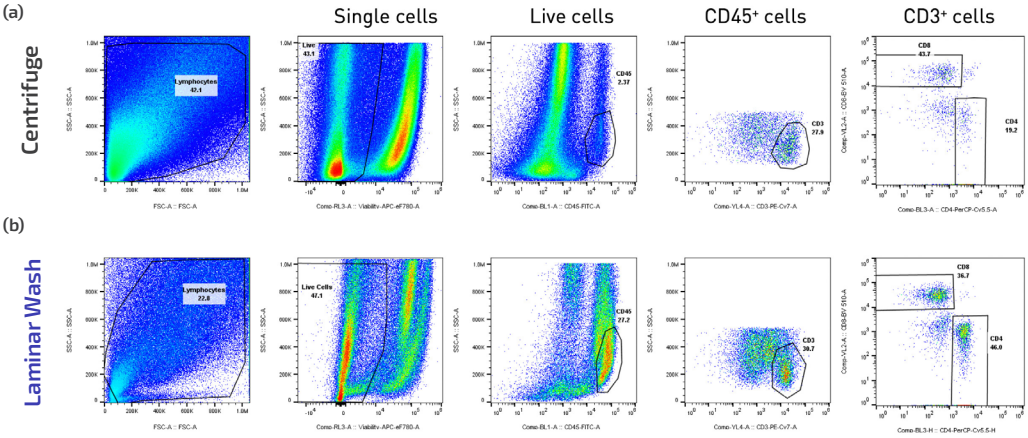



New firmware and PCB allows easy integration with robotic platforms

Laminar Wash Plate with 96 wells

Optional Buffer Exchanger (BEX) allows user to automatically select up to 8 different solutions from touch-screen interface.

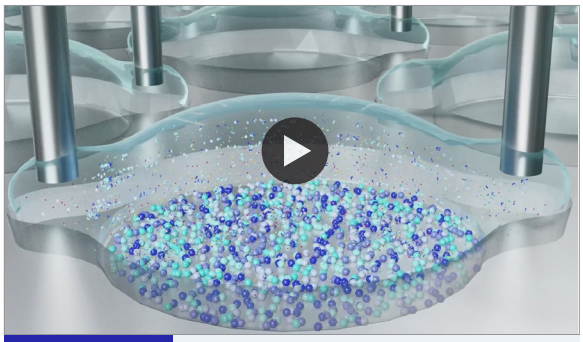
## Laminar Wash Technology Enables Accurate Identification of Tumor Infiltrating Lymphocyte (TIL) Population




**(a) Centrifuge wash method** – cell loss and mechanical stress through sequential pelleting and resuspension

**(b) Laminar Wash method** – less tumor debris, but higher retention of TILs and better resolution of populations

*Samples from Charles River Laboratories, which uses Laminar Wash HT System by Curiox for TILs*



**CLICK TO WATCH** How Laminar Wash Technology Works


**CLICK TO WATCH** Centrifuge-less Whole Blood Staining with Laminar Wash in Biosafety Cabinet

| | | | |
|---|---|---|---|
| Dimensions | 310 mm H x 262 mm W x 302 mm D | | |
| | 12.2 in. H x 10.3 in. W x 11.9 in. D | | |
| Voltage Requirements | 100 - 240 V | Weight | 14 kg |
| Power Consumption | 24V/3.0A | | |

"With the Curiox Laminar Wash [system], we retain more cells with much less data variation between samples than our centrifuge process."

*Dr Jorgen Adolfsson, Linkoping University*

| Product | Part Number | Description |
|---|---|---|
| Laminar Wash™ HT2000 Station 96 Version2 | DC-2000-96-01 | High throuput 96-well format washing station with GUI |
| Laminar Wash™ 96-well plate (with a regular lid) | 96-DC-CL-05 | 96-well, coating for flow cytometry assays, sterile |
| Laminar Wash™ 96 well large volume adaptor | DC-GR-96-05 | 96 well plate grid to accomodate a larger volume |
| Buffer Exchanger 5-channel or 10-channel | DC-BX-01-05(10) | Buffer inlet system pedestals to support automation |

Go centrifuge-free and accelerate your biology at curiox.com

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