

CURIOX LAMINAR WASH HT2100 SYSTEM

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

The Curiox Laminar Wash™ HT2100 System (HT2100) 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.

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

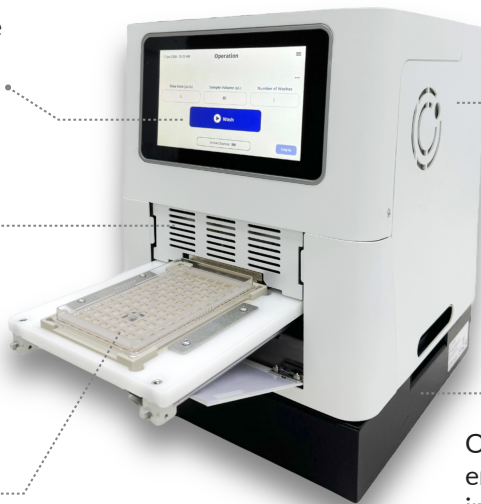
HT2100 SYSTEM

Intuitive touch-screen interface supports the customization of starting volume, flow rate, and number of washes

Safety front grill prevents user access to fluidic head area



Curiox Laminar Wash
96-well plate



Automation-friendly firmware and printed circuit board (PCB)

Optional Buffer Exchanger (BX) enables use of touch-screen interface to select up to eight different solutions

BENEFITS

Drive Standardization

Reduces errors from manual pipetting and when multiple personnel and locations are involved

Shorten Turnaround Times

Washes 96 samples in four minutes

Increased Cell Retention for Low Cell Numbers

Provides high cell retention even with hundreds of cells per well

Higher viability

Increases the percentage of post-processing viable cells compared to centrifugation

Cleaner Data

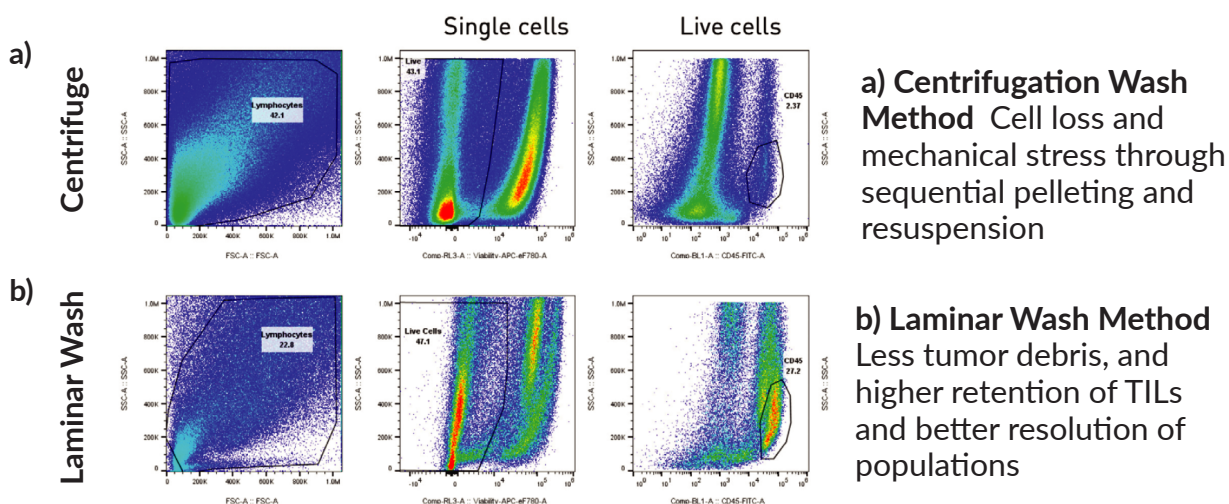
Yields improved cell segregation and resolution while reducing debris and cell aggregation

No Pelleting of Cells

Reduces doublets, clumping, and clogging

DATA

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



Data from Charles River Laboratories

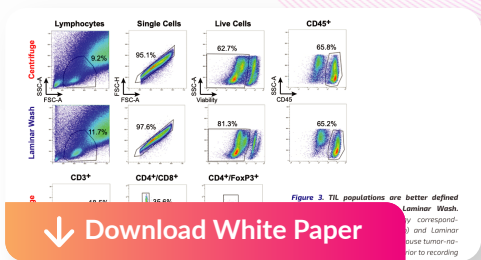
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RESOURCES



How Curiox Laminar Wash Technology Works



A Novel Sample Preparation Method for Improved Tumor-Infiltrating Leukocyte Recovery


TECHNICAL SPECIFICATIONS


Dimensions (H x W x D)	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	24.0 V / 3.0 A		


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


Product	Product Number	Description
Curiox Laminar Wash		
HT2100 Station 96	DC-2100-96-01	High throughput 96-well format washing station with GUI
96-well plate (with a regular lid)	96-DC-CL-05	96-well plate, coating for flow cytometry assays, sterile
Large volume plate adaptor for 96-well plates	DC-GR-96-05	96-well plate grid to accomodate larger volumes
Buffer Exchanger 5-channel	DC-BX-01-05	Buffer inlet system pedestals to support automation
Buffer Exchanger 10-channel	DC-BX-01-10	
Direct Reading Grid (Manual)	DC-GR02-96-05-M	Accommodates direct acquisition on flow cytometers
Direct Reading Grid (Automation)	DC-GR02-96-05-A	

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