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.

- 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
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

**Product**

<table>
<thead>
<tr>
<th>Description</th>
<th>Part Number</th>
<th>DC-2000-96-01</th>
<th>DC-GR-96-05</th>
<th>DC-BX-01-05(10)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Laminar Wash™ HT2000 Station 96 Version2</td>
<td>24V/3.0A</td>
<td>14 kg</td>
<td>100 - 240 V</td>
<td>310 mm H x 262 mm W x 302 mm D</td>
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<tr>
<td>Laminar Wash™ 96-well plate (with a regular lid)</td>
<td>12.2 in. H x 10.3 in. W x 11.9 in. D</td>
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<tr>
<td>Laminar Wash™ 96 well large volume adaptor</td>
<td>Buffer inlet system pedestals to support automation</td>
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<td>Buffer Exchanger 5-channel or 10-channel</td>
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<td>Dimensions</td>
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</tbody>
</table>

“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

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