

The Laminar Wash MINI System



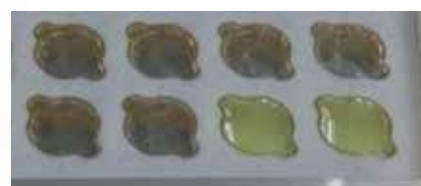
Sample Preparation for Flow Cytometry

The Laminar Wash MINI System is an affordable bench-top instrument for surface staining and intracellular staining protocols, providing consistency to every lab. It does this by the use of laminar flow-based washing of cells, replacing complicated and variable centrifugation, pipetting and flicking/aspiration of tubes or plates. The MINI is designed to produce the most quantitative and reproducible results for every flow cytometry user.

Unlike centrifugation-based systems, the MINI provides consistency across users. Centrifugation at artificially high gravitational forces, can stress cells which leads to unreliable data. Laminar wash can achieve an even higher level of dilution of unbound antibodies during washes by increasing the number of laminar wash cycles with a much gentler treatment of the cells. Centrifuges elicit changes in the cell population, and the fewer variables or manipulations your cells experience, the higher the quality of your flow cytometry data.



- Wash 8 wells simultaneously in less than three minutes total time
- Dispense and aspirate up to 120 μ l fluid per wash
- Flow rate selectable from 2 - 20 μ l/sec per well
- Selectable wash cycle from 1 - 20 per wash

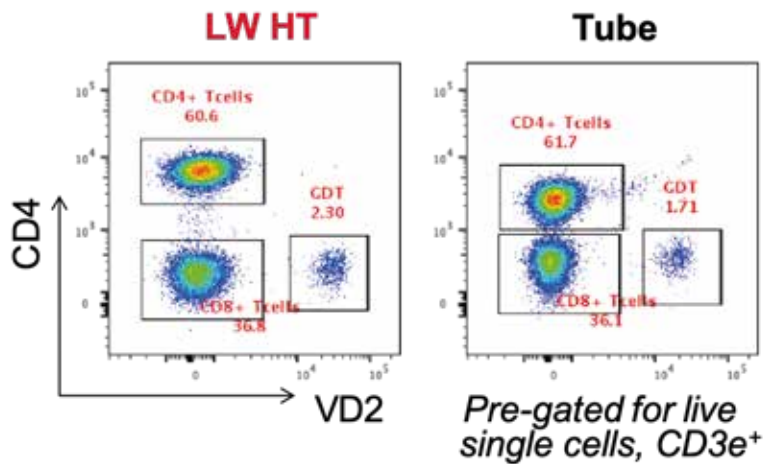


Accelerate your biomedical research

The Laminar Wash MINI provides:

- Rapid Time to Results – The system processes 16 samples in six minutes.
- Automation – Reduces manual pipetting errors and errors associated with multiple personnel changes
- Standardized Results – Across users and locations
- Cleaner Data - Improved cell segregation and resolution; Reduces debris and aggregation of cells
- Increased cell retention - For splenocytes and TILs or with rare populations of cells

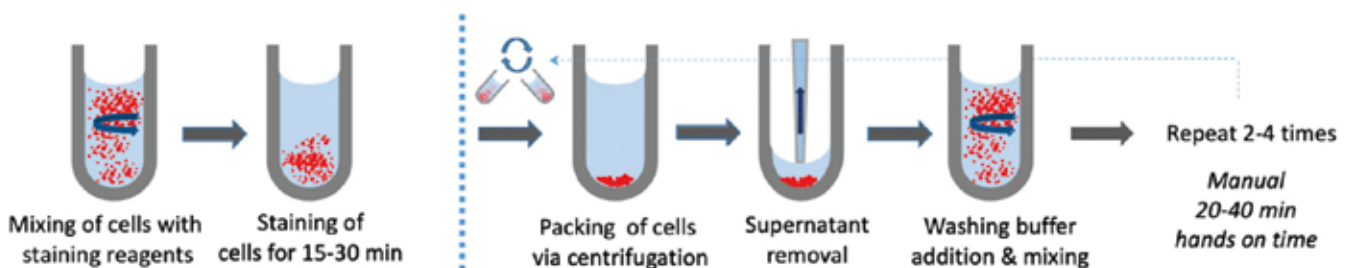
Improved enumeration of $\gamma\delta$ T Cells in whole blood assay by LW



- Better cell retention of live cells
- Higher stain index of VD2 marker (also CD4 and other markers)
- Higher enumeration of rare GDT cells

Comparison of an immunostaining workflow for the preparation of cells suspension for analysis by flow cytometry. Laminar Wash technology is equally as effective in washing and with less variability and stress on cells than centrifuges.

Cell centrifugation washing method



Laminar Wash method

