APPLICATION NOTE

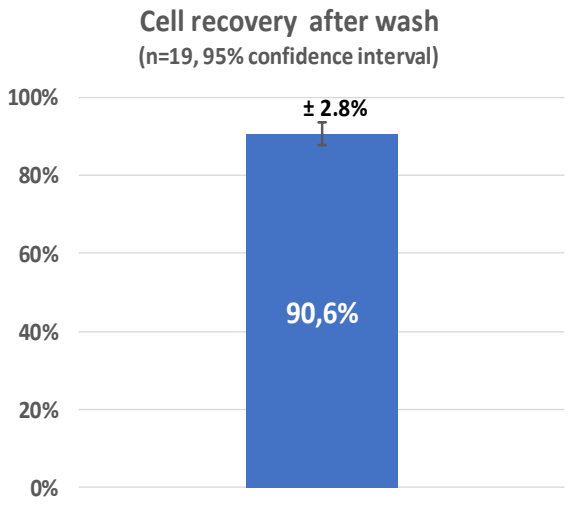
AcouWash

Automated Cell Wash

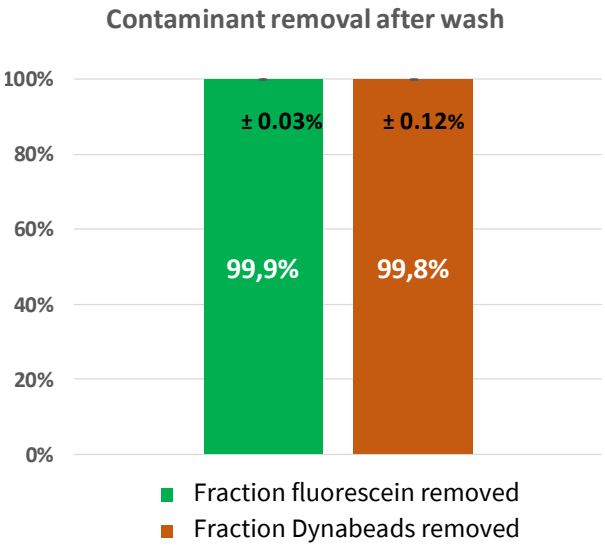
HIGH CELL RECOVERY & WASHING EFFICIENCY

High Cell Recovery

- Above 90% cell recovery after wash
- Efficient washing of cells, including:
  - White blood cells
  - Delicate neuron cells



Efficient Removal of Contaminants from Cell samples



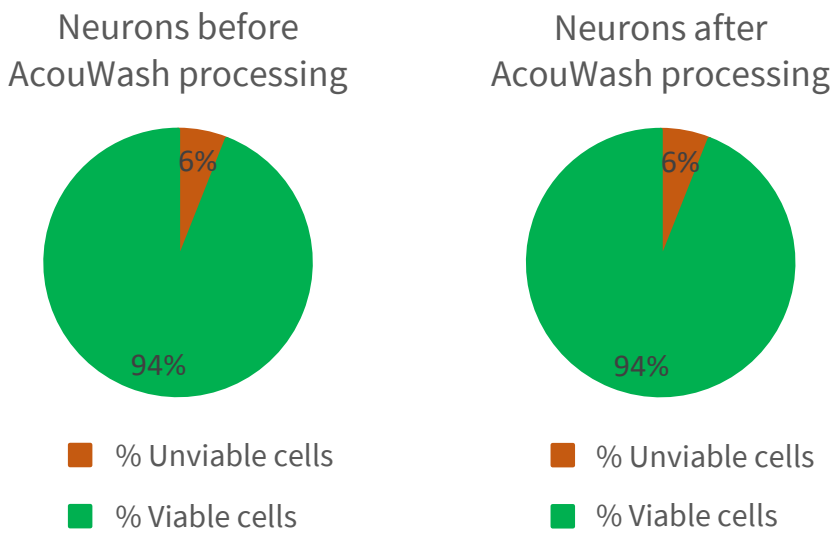
Washing & separation efficiency > 99%

- Unbound stain and dye
- Proteins such as bovine serum albumin (BSA) or fetal bovine serum (FBS)
- Beads or microparticles

Top: WBCs including samples with T-cells and neutrophils counted using flow cytometry (BD FACS Canto II) after AcouWash processing.
Bottom: Removal of 1µm Dynabeads from PBMCs measured with BD FACS Canto II. Removal of fluorescein from 5 µm polystyrene microparticles measured in a plate reader (Tecan GENios FL), with microparticles counted using a Coulter counter (Beckman Coulter Z2).

AcouWash Enables Washing of Delicate Cells

- AcouWash enables washing with minimal impact on cells
    - Automated, gentle and contact-free
- Centrifugation is operator-dependent and can be harmful to sensitive cells
- Neuron viability unaffected by AcouWash processing



Reprogrammed neuron cells processed in AcouWash. In collaboration with the Department of Experimental Medical Science, Wallenberg Neuroscience Centre (Lund, Sweden).