

BLUE® PLATE

CELL WASH FOR FLOW CYTOMETRY



The SLAS2024 New Product Award winning **Blue®Plate** is now available as a **single mold 96w plate** made from bio-inert, ultra low attachment COP. **8-well strips** for regular & **deep well 96w** and **16-well strips/ 384w** formats are available as well. A 384w single mold COP version is coming in Q2/2026.

Our brand-new **Blue®CombiX** — the world's first laboratory instrument that is both an automated centrifuge and washer — fully automates flow cytometry sample prep in the **Blue®Plate** with all spindown, washing and reagent addition steps.

Blue®Plate + Blue®CombiX workflows are **faster and more cost effective** than conventional workflows due to tip and labor savings, and produce **better data** by avoiding the cell stress and aggregation associated with conventional pelletization.



>95% CELL RETENTION

per wash step

7X FASTER

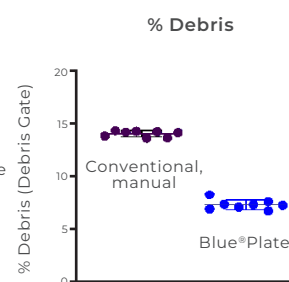
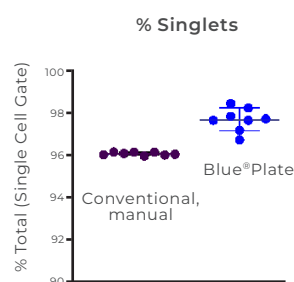
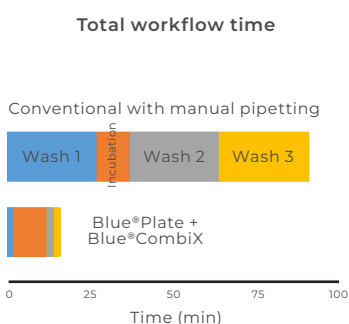
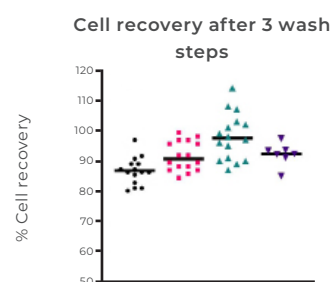
...vs. conventional, manual flow sample prep:
instead of 5min pelletization/ centrifugation, cell spin-down for 10-30sec at 1000g

BETTER DATA

- Demonstrated >95% retention per wash step (>88% for 3 wash steps)
- Less cell clumping -> more effective re-suspension

- Faster workflow
- Less human error

- No shift in subpopulations
- Less cell stress, as shown by...
- More singlets
- >50% less debris



Flow plot debris gate

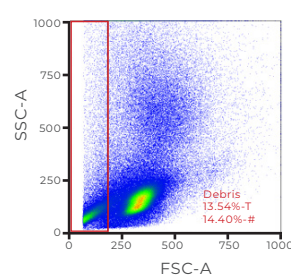
WORKFLOW:

- Cell spin-down: 30 sec at 1000g (1 min total, Biomat benchtop centrifuge)
- Media removal: 4 turns with Blue®Washer
- Cell re-suspension: Blue®Washer dispenser, manual pipette after last wash

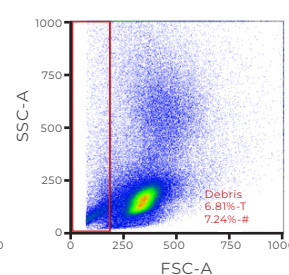
WORKFLOW:

- 3x cell wash
 - Manual pipette: 27min
 - Blue®Plate + Blue®CombiX: 2 minutes
- Incubation: 10min both

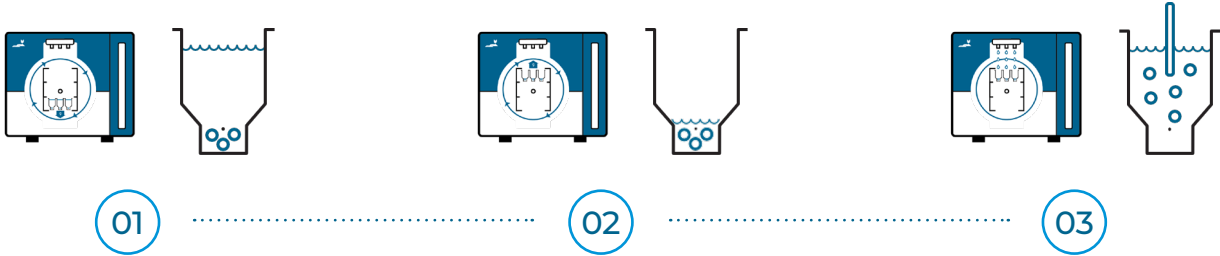
... Conventional/ manual



... with Blue®Plate



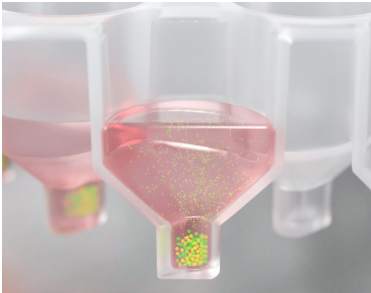
Blue®Plate + Blue®CombiX: Simple 3-step workflow, fully automated



SPIN CELLS INTO
CELL®SAFE

10-30 seconds at 1000g

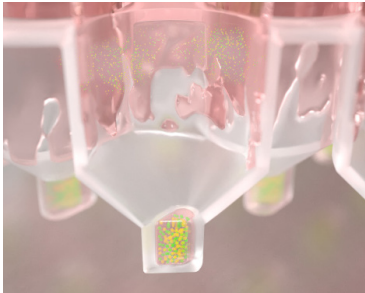
Load Blue®Plate into Blue®CombiX rotor bottom.
Blue®CombiX — running in centrifuge mode — settles cells into Cell®Safe reservoirs at the bottom of the Blue®Plate without creating pellets



REMOVE ALL MEDIUM ABOVE
CELL®SAFE

30 seconds

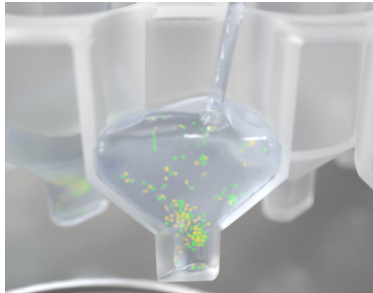
Next, the Blue®CombiX's autoloader transfers the Blue®Plate to the rotor top. While the Blue®CombiX - now operating in evacuation mode - centrifugally evacuates all the liquid above the reservoirs, cells are safely retained in their Cell®Safes



RE-SUSPEND CELLS OUT OF
CELL®SAFE

15 seconds

The Blue®CombiX's dispenser quickly re-suspends cells for subsequent washes, efficiently mixing them with wash buffer



Blue®CombiX automatically repeats centrifugation, evacuation and liquid addition steps as required by your flow cytometry sample prep protocol. Blue®Plates are compatible with all major flow cytometers - after the final wash step, simply load the Blue®Plate into your flow cytometer for cell acquisition and analysis.

Order information and specifications



Name	Blue®Plate 8Well Strip Std	Blue®Plate 96Well single mold	Blue®Plate 8Well Strip DeepWell	Blue®Plate 16Well Strip	Blue®Plate 384Well single mold Q2/2026
Product Numbers	2BP8PPV280	2BP96COPV280-SP1	2BP8PPV1000	2BP16PPV80	2BP384COPV80-SP1
Working Volume	280 µl/ well	280 µl/ well	1,000 µl/ well	80 µl/ well	80 µl/ well
Volume Cell®Safe	5,2 µl	5,2 µl	20 µl	4 µl	4 µl
Diameter Top	7 mm	7 mm	7 mm	3 mm	3 mm
Diameter Cell®Safe	1.7 mm	1.7 mm	2 mm	1.5 mm	1.5 mm
Height	16.5 mm	16 mm	44 mm	16.5 mm	16.5 mm
Material	PP	COP	PP	PP	COP
Carrier for Blue®CombiX	2XCNM17	2XCNM17	2XCNM14	2XCNM17	2XCNM17

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