

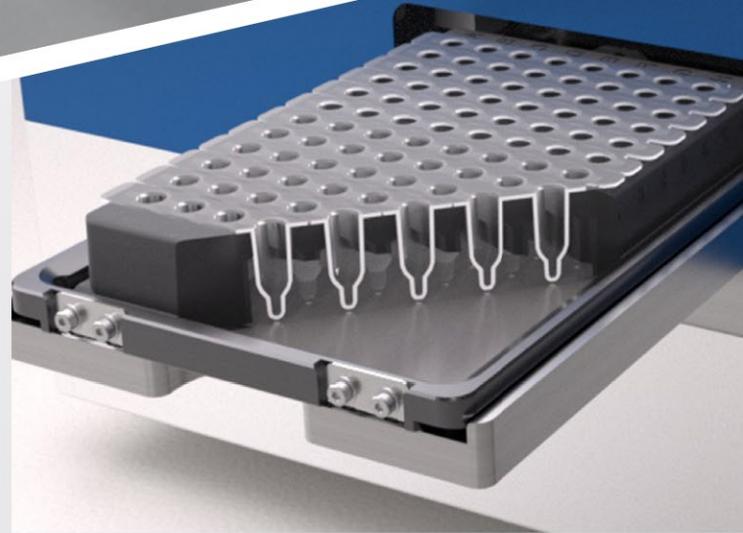
# BLUE® PLATE

## CELL WASH FOR FLOW CYTOMETRY

The SLAS2024 New Product Award winning Blue®Plate is now available as **8-well strips** in regular and **deep well 96w** formats and **16-well strips/ 384w** format. Improved geometries achieve **>95% cell retention per wash step**.

Blue®Plate enables **fully automated, high-throughput cell washes for flow cytometry** with minimal cell loss or damage and highly effective background removal.

Blue®Plate workflows are **faster and more cost effective** than conventional workflows due to tip and labor savings. The new strip format allows users to save costs when preparing only a few samples.

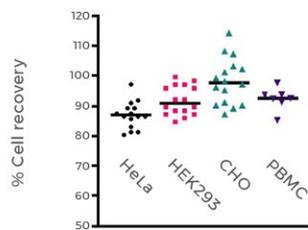


### >95% CELL RETENTION

per wash step

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

Cell recovery after 3 wash steps

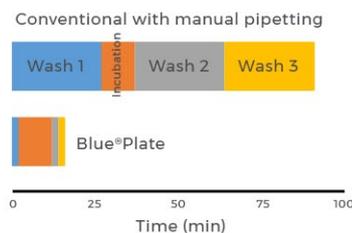


### 7X FASTER

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

- ▶ Faster workflow
- ▶ Less human error

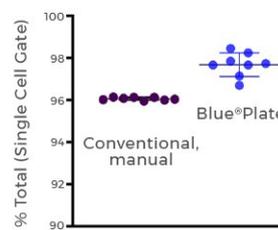
Total workflow time



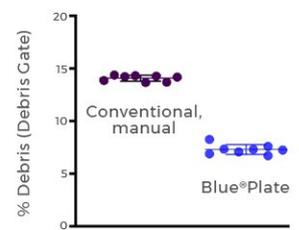
### BETTER DATA

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

% Singlets

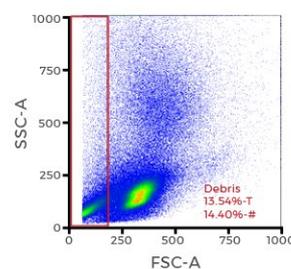


% Debris

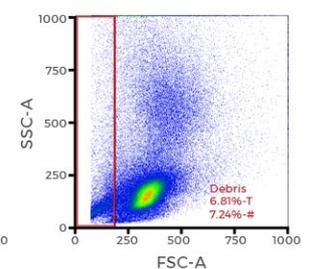


### Flow plot debris gate

... Conventional/ manual



... Blue®Plate



#### 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: 2min with Blue®Washer & Blue®Fuge
- Incubation: 10min both

# Blue®Plate: Simple 3-step workflow

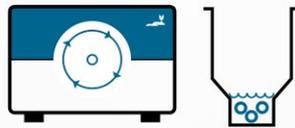
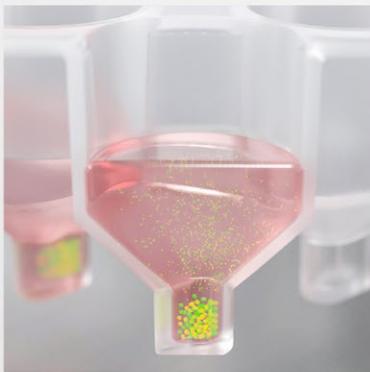


01

## SPIN CELLS INTO CELL®SAFE

**10-30 seconds at 1000g**  
(total time depending on centrifuge acceleration)

Load Blue®Plate into centrifuge to settle cells into Cell®Safe reservoirs at the bottom of the Blue®Plate

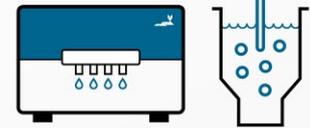
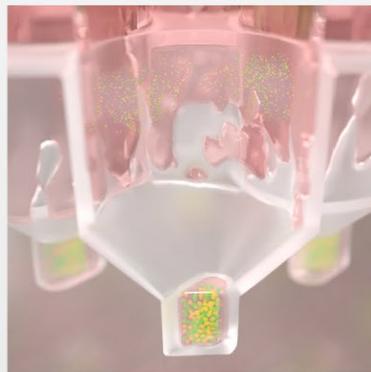


02

## REMOVE ALL MEDIUM ABOVE CELL®SAFE

**30 seconds**

Cell®Safe reservoirs at the bottom of Blue®Plate wells safely retain cells while the Blue®Washer centrifugally evacuates all of the liquid above the reservoirs

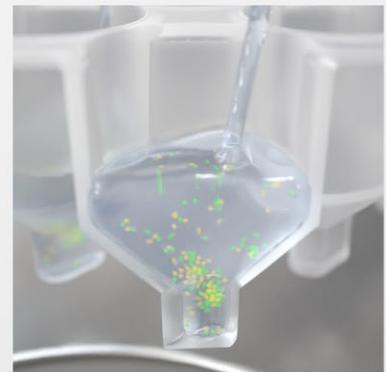


03

## RE-SUSPEND CELLS OUT OF CELL®SAFE

**15 seconds**

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



## Order information and specifications



Name	Blue®Plate 8Well Strip Std	Blue®Plate 8Well Strip HighSeparation	Blue®Plate 8Well Strip DeepWell	Blue®Plate 16Well Strip	
Application	Standard height for Blue®Washer	Larger well to well separation. Height requires Blue®Washer XL	Deep well workflows / large sample volumes	High-throughput 384w workflows	
Product Numbers	2BP8PPV180	2BP8PPV200	2BP8PPV1000	2BP16PPV80	
12 x 8-Strips	2BP8PPV180-12	2BP8PPV200-12	2BP8PPV1000-12	24 x 16-Strips	2BP16PPV80-24
120 x 8-Strips	2BP8PPV180-120	2BP8PPV200-120	2BP8PPV1000-120	240 x 16-Strips	2BP16PPV80-240
1 x Frame	2BP8PPV180-F1	2BP8PPV200-F1	2BP8PPV1000-F1	1 x Frame	2BP16PPV80-F1
10 x Frames	2BP8PPV180-F10	2BP8PPV200-F10	2BP8PPV1000-F10	10 x Frames	2BP16PPV80-F10
1 x Plate	2BP8PPV180-P1	2BP8PPV200-P1	2BP8PPV1000-P1	1 x Plate	2BP16PPV80-P1
24 x Plates	2BP8PPV180-P24	2BP8PPV200-P24	2BP8PPV1000-P24	24 x Plates	2BP16PPV80-P24
Working Volume	180 µl/well	200 µl/well	1,000 µl/well	80 µl/well	
Volume Cell®Safe	10 µl	10 µl	20 µl	4 µl	
Diameter Top	7 mm	5.5 mm	7 mm	3 mm	
Diameter Cell®Safe	1.7 mm	2 mm	2 mm	1.5 mm	
Height	16.5 mm	17.5 mm	44 mm	16.5 mm	

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