

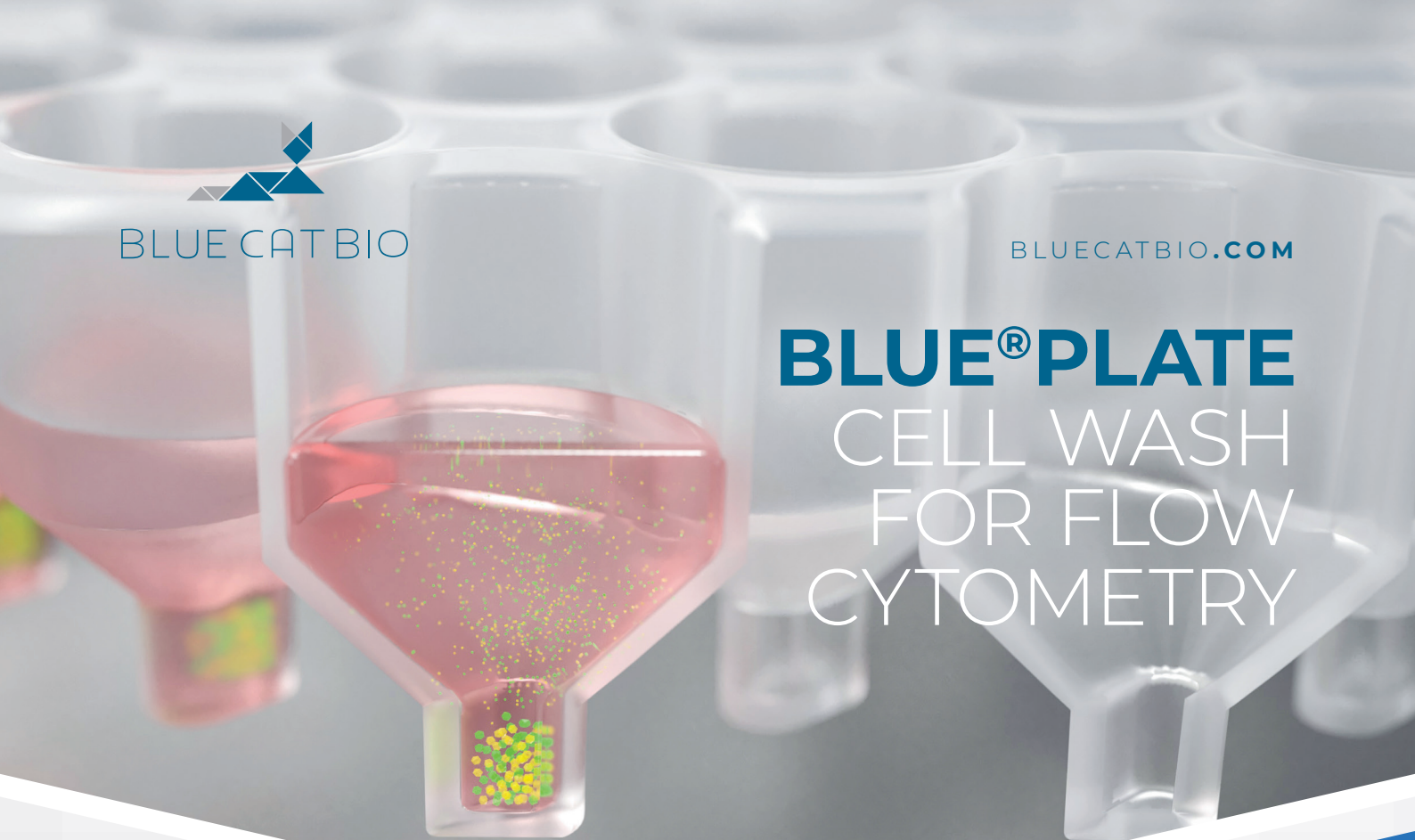


BLUE CAT BIO

BLUECATBIO.COM

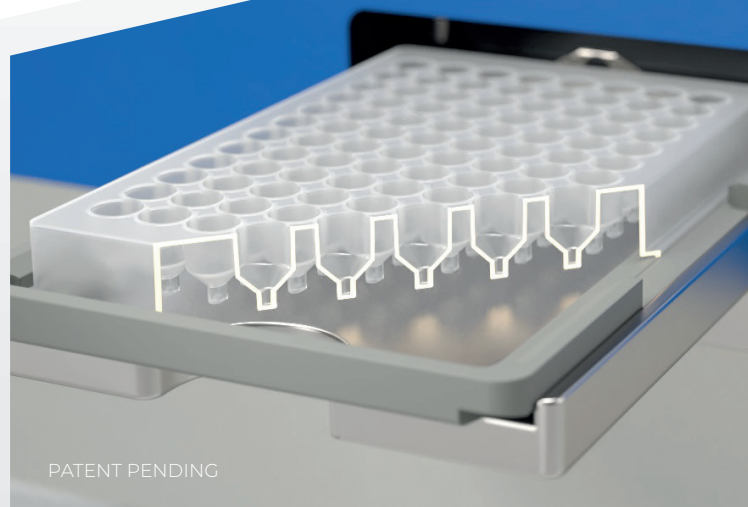
BLUE[®] PLATE

CELL WASH FOR FLOW CYTOMETRY



A winner of SLAS and MipTec new product awards, the centrifugal **Blue[®]Washer** has become the new standard for non-contact media removal and cell wash.

Blue[®]Plate enables **fully automated, high-throughput** cell washes for flow cytometry with **minimal cell loss or damage and highly effective background removal**. Low-g, gentle centrifugation deposits cells into **Cell[®]Safe** reservoirs at the bottom of **Blue[®]Plate** wells where they are safely retained while the **Blue[®]Washer** centrifugally evacuates all of the liquid above the reservoirs. The **Blue[®]Washer** dispenser efficiently re-suspends cells for subsequent washes. Available for 96w plates, the method is applicable to all plate and tube formats.



PATENT PENDING

FAST

<4MIN PER WASH CYCLE
AUTOMATION FRIENDLY

- ▶ 150 sec: Spin (low-g) cells into **Cell[®]Safe** reservoirs
- ▶ 30 sec: Remove all medium above **Cell[®]Safe** reservoirs
- ▶ 15 sec: Resuspend cells
- ▶ Can be fully automated
- ▶ One **Blue[®]Washer** instrument to wash both suspension and adherent cells

GENTLE

MINIMAL CELL LOSS,
DAMAGE OR ACTIVATION

- ▶ Gently spinning (<30g) cells into **Cell[®]Safe** reservoirs ensures cells do not get harmed or activated and do not clump
- ▶ >90% cell retention per wash step

EFFECTIVE

EFFECTIVE BACKGROUND REMOVAL GENERATES
HIGH QUALITY, REPRODUCIBLE FLOW DATA

- ▶ 40x dilution per wash step due to 5ul residual in **Cell[®]Safe** reservoirs vs 200ul wash buffer capacity in well above
- ▶ High speed re-suspension of cells – not pellets - efficiently removes non-specific binding
- ▶ 100% reproducible workflow - low %cv
- ▶ Fully automated – same results across operators and sites

Blue[®]Plate

high-throughput, automated workflow



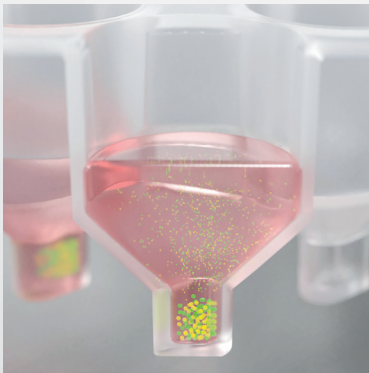
01

SPIN CELLS INTO
CELL[®]SAFE

150 SEC

Load **Blue[®]Plate** into conventional centrifuge or the **Blue[®]Washer** with **Blue[®]Plate** inserted upside down

Low-g, gentle centrifugation deposits cells into **Cell[®]Safe** reservoirs at the bottom of **Blue[®]Plate** (10-30g, 2-4min)

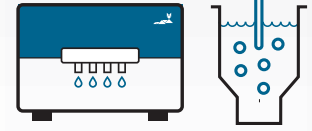
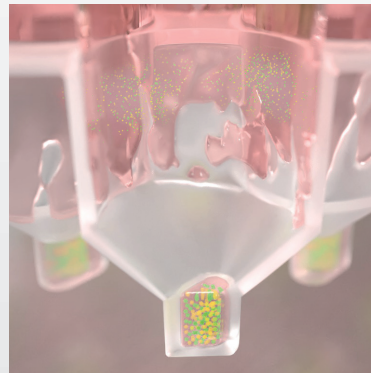


02

REMOVE ALL MEDIUM ABOVE
CELL[®]SAFE

30 SEC

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

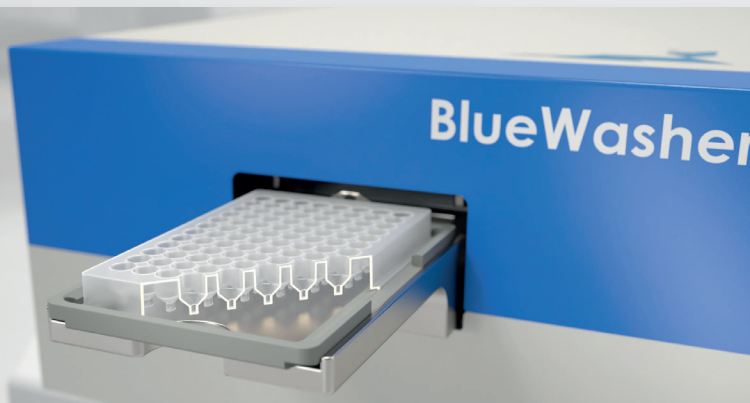
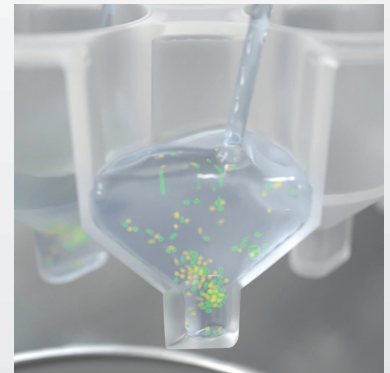


03

RE-SUSPEND CELLS OUT OF
CELL[®]SAFE

15 SEC

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



Name	BluePlate 96Well
Product Number	BP96C
Material	Polypropylene
Working Volume	200 μ l
Volume Cell[®]Safe	5 μ l

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