Flow Cytometry in 96 well trays

Please note – this protocol has been optimised for certain conditions and is meant as a guide only, you may need to alter some parameters to suit your own experiment

Prepare cells as per usual procedure but when required to aliquot 50 μl of cells into tubes, aliquot into wells of 96 well U-bottom or V-bottom trays instead (NOT flat-bottomed as cells won't pellet during centrifugation – V-bottom trays are best)

Staining procedure is exactly the same as when performed in tubes - the same ratio of antibody : cells will be required, however wash volumes can be reduced to 200 μl / wash and still only one wash required between antibody incubation steps.

Wash technique:

- Add 200 μl of PBA to each well
- Centrifuge – 350 x *g* for 1 minute
- Gently flick out buffer with minimum force required to prevent losing cell pellet
- With plate right-side up, gently tap plate on sides to resuspend cell pellets in buffer remaining in wells