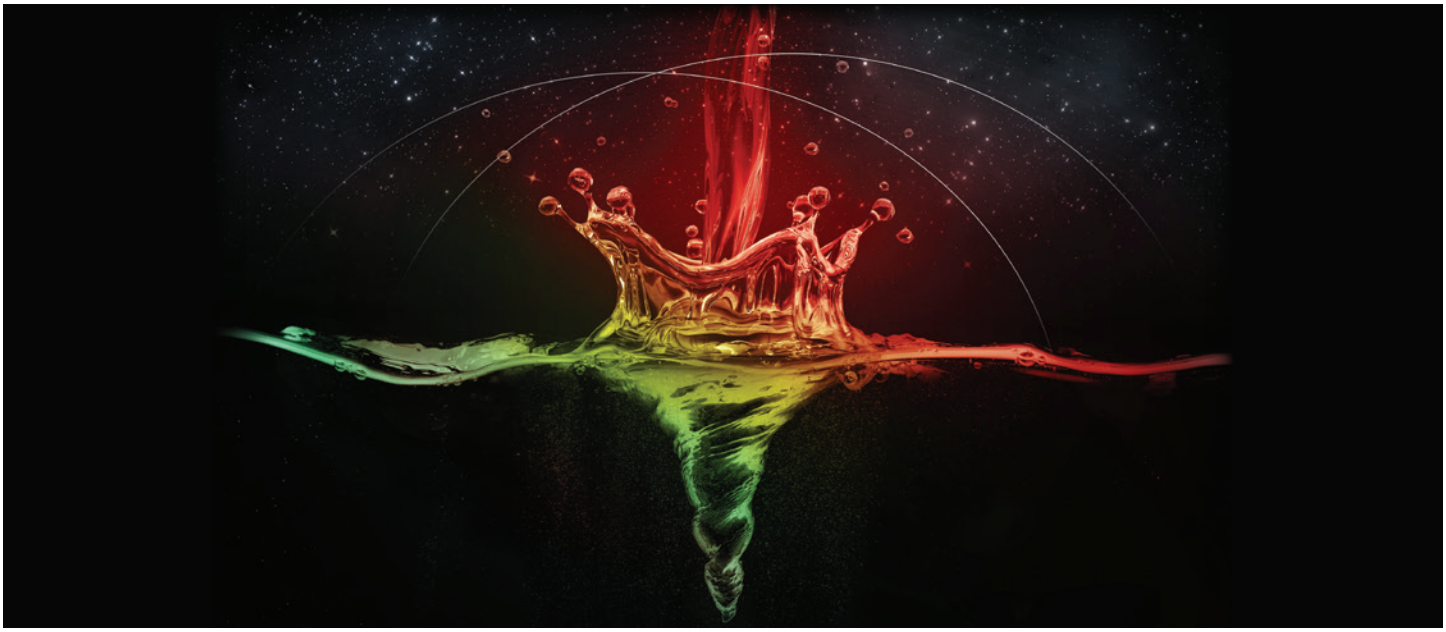

Shopping List — Simple Immunophenotyping Flow Cytometry Experiment

Preparation

- ☐ Flow cytometry protocols ready for staining, sample isolation, and stimulation, and any special flow cytometry reagents used
- ☐ Panel design
- ☐ Order reagents:
  - Quality control (QC) beads (for ZE5 Cell Analyzer or S3e Cell Sorter)
  - Buffers (staining, permeability, red blood cell lysis, fixation, etc.)
  - Fc blocks
  - Flow cytometry antibodies
- ☐ Order/acquire sample
- ☐ Book time on flow cytometer
- ☐ Pipets and tips
- ☐ Plates/tubes (polypropylene for reduced cell binding)
- ☐ Centrifuge

Sample Preparation

- ☐ Phosphate buffered saline
- ☐ Presorting and postsorting media

continues

Notes

Visit bio-rad-antibodies.com/Steps-to-Success for more information.

BIO-RAD

- ☐ Cell culture media
- ☐ Cell dissociation buffer/cell scraper (optional/assay dependent)
- ☐ Cell fixation and permeabilization buffer
- ☐ Transport inhibitor (Monensin or Brefeldin A Solution—optional/assay dependent)
- ☐ Cell Stimulation Reagent (optional/assay dependent)
- ☐ Cell counter
- ☐ Viability stain (Trypan Blue)
- ☐ Staining Buffer
- ☐ Cell filter of appropriate size (30, 50, 70 µm)

Sample Staining

- ☐ Antibodies titrated
- ☐ Compensation beads
- ☐ Unstained sample
- ☐ Single-color control
- ☐ Fluorescence minus one control
- ☐ Isotype control
- ☐ Antibody panel
- ☐ Viability dye

Sample Acquisition

- ☐ Flow cytometer QC completed
- ☐ Experimental setup and plate map configured
- ☐ Voltages adjusted with unstained or single-color controls
- ☐ Calculate compensation
- ☐ Memory stick (thumb drive)
- ☐ Third-party postacquisition analysis software (if necessary)

Notes

Visit **bio-rad-antibodies.com/Steps-to-Success** for more information.

BIO-RAD is a trademark of Bio-Rad Laboratories, Inc. All trademarks used herein are the property of their respective owner. © 2022 Bio-Rad Laboratories, Inc.

Bio-Rad Laboratories, Inc.

Life Science Group

Website *bio-rad.com* ***USA*** *1 800 424 6723* ***Australia*** *61 2 9914 2800* ***Austria*** *00 800 00 24 67 23* ***Belgium*** *00 800 00 24 67 23* ***Brazil*** *4003 0399*
Canada *1 905 364 3435* ***China*** *86 21 6169 8500* ***Czech Republic*** *00 800 00 24 67 23* ***Denmark*** *00 800 00 24 67 23* ***Finland*** *00 800 00 24 67 23*
France *00 800 00 24 67 23* ***Germany*** *00 800 00 24 67 23* ***Hong Kong*** *852 2789 3300* ***Hungary*** *00 800 00 24 67 23* ***India*** *91 124 4029300* ***Israel*** *0 3 9636050*
Italy *00 800 00 24 67 23* ***Japan*** *81 3 6361 7000* ***Korea*** *82 2 3473 4460* ***Luxembourg*** *00 800 00 24 67 23* ***Mexico*** *52 555 488 7670*
The Netherlands *00 800 00 24 67 23* ***New Zealand*** *64 9 415 2280* ***Norway*** *00 800 00 24 67 23* ***Poland*** *00 800 00 24 67 23* ***Portugal*** *00 800 00 24 67 23*
Russian Federation *00 800 00 24 67 23* ***Singapore*** *65 6415 3188* ***South Africa*** *00 800 00 24 67 23* ***Spain*** *00 800 00 24 67 23* ***Sweden*** *00 800 00 24 67 23*
Switzerland *00 800 00 24 67 23* ***Taiwan*** *886 2 2578 7189* ***Thailand*** *66 2 651 8311* ***United Arab Emirates*** *36 1 459 6150* ***United Kingdom*** *00 800 00 24 67 23*

Bulletin 3436 Ver A US/EG *22-0709 1122 Sig 0122*