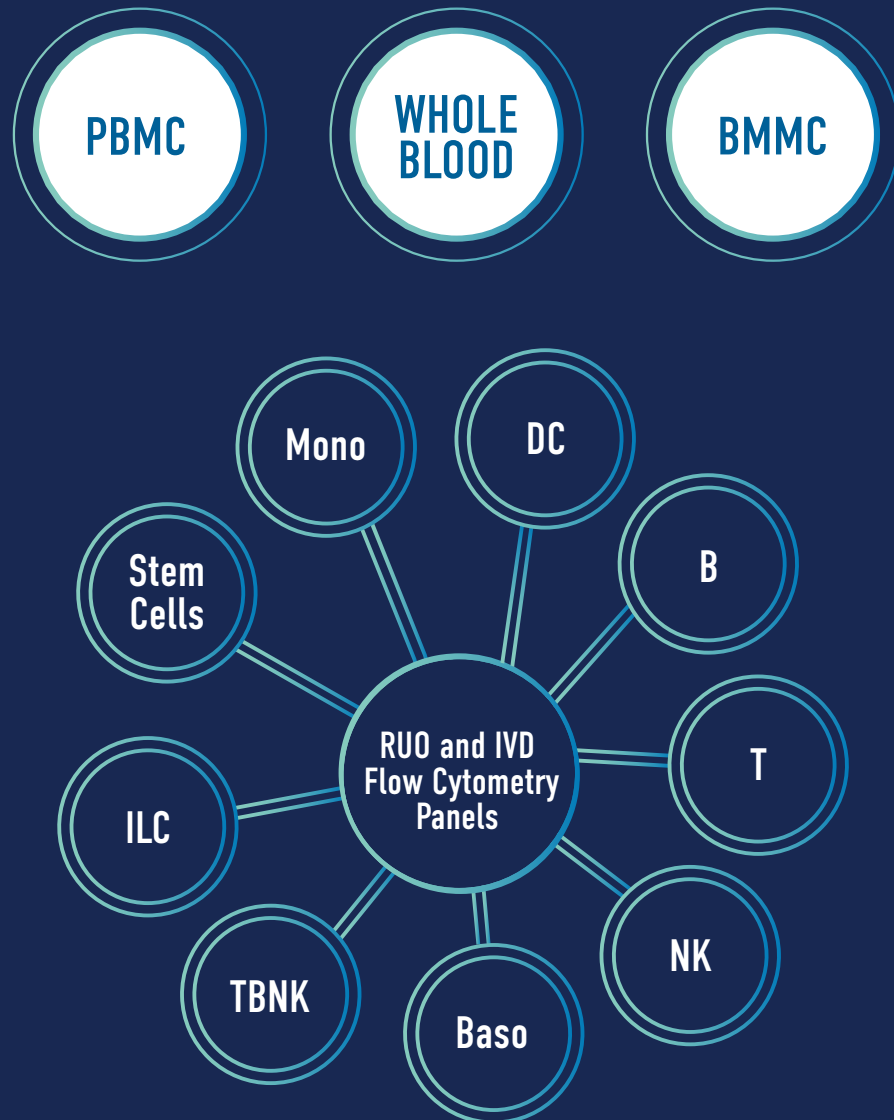


# MEDPACE LABORATORIES

## FLOW CYTOMETRY CAPABILITIES

### GLOBAL EXPERIENCE



### FLOW CYTOMETRY HIGHLIGHTS

Modern flow cytometry can tackle 10-40 biomarkers within a single cell simultaneously without technical barriers. Typical data from a single subject contains 0.5-1 million events, which provide sufficient functional sensitivity (LLOQ, linearity) for a given subpopulation of leukocyte, including rare populations such as CD34+ progenitors and memory effector pathogenic T cells. While there are many ways to assess a cell's property and function, flow cytometry can readily handle tens of thousands of cells and simultaneously address surface and intracellular marker expressions for up to 10-20 molecules.

Medpace's central laboratories develop and perform analytical method validation on assays that cover many immune cell subsets. In addition to in-house validated ready-to-go panels, Medpace also offers study-specific fully customized panels with capacity for more than 20 colors. The instruments are standardized among facilities, global SOPs are followed, and identical templates are applied per every single assay.

In-house validated assays, including ready-to-go panels, custom developed panels and method transfer, are all validated at Medpace central laboratories, following Clinical Laboratory Improvement Amendments (CLIA), College of American Pathologists (CAP) and Clinical and Laboratory Standards Institute (CLSI) guidelines. The flow cytometry PhD scientist team ensures the development, validation, verification, control, analysis, and implementation of cell-based assays on a global scale.

IMMUNO  
PHENOTYPING

RECEPTOR  
OCCUPANCY

CAR-T

*New panels validated in 14-16 weeks*

MEDPACE