

## Complex Immunophenotyping Panel I

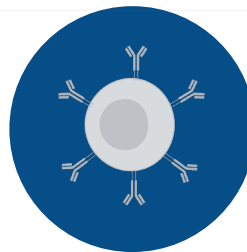
### Clinical Flow Cytometry Services

Champions Oncology's clinical flow cytometry services are implemented using fully optimized and validated human panels developed to be customizable to meet your clinical trial needs. Champions Oncology leads the industry in clinical flow cytometry expertise and innovative technology that provides you with the highest quality, complex computational results with the ability to interrogate up to 30 parameters on each individual cell simultaneously within every patient sample.



#### CLINICAL EXPERTISE

Industry Leaders in Oncology  
Preclinical and Clinical Flow  
Cytometry



#### HIGH DIMENSIONAL FLOW CYTOMETRY ANALYSIS

Ability to Analyze up to 26  
parameters per Sample



#### QUICK TURN AROUND & EXECUTION

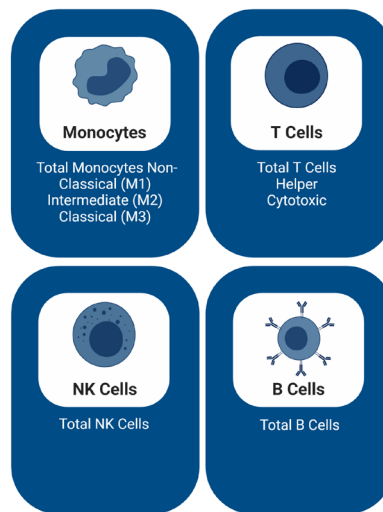
Expedited Development &  
Validation to Meet Clinical  
Milestones



#### QUALITY ASSURANCE & REGULATORY EXPERIENCE

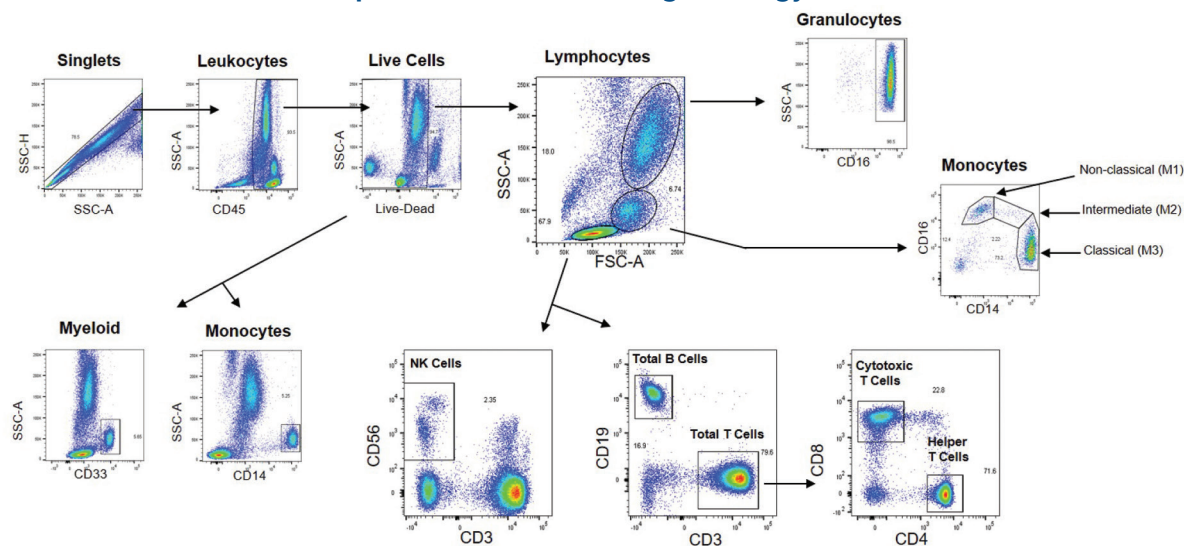
GCP Compliant Validated Assays

In this Complex IPT Panel I, Champions Oncology can interrogate multiple cell subset populations, specifically lymphocyte and monocyte cell subsets in whole blood collected in Sodium Heparinized tubes. This panel includes 10 colors and includes a Live/Dead staining component standard, which allows for clean separation of these subsets without risking dead cell contamination. With the ability to analyze up to 26 parameters at Champions Oncology, this panel can be easily customized to add your clinical markers of interest.



Cell Subset	Markers	Units
Leukocytes	CD45+	ABS
Granulocytes	SSC-hi FSC-hi	ABS
Lymphocytes	SSC-low FSC-mid	ABS
Monocytes	CD14+	ABS, %
Non-classical Monocytes (M1)	CD14- CD16+	ABS, %
Intermediate Monocytes (M2)	CD14+ CD16+	ABS, %
Classical Monocytes (M3)	CD14+ CD16-	ABS, %
Myeloid cells	CD33+	ABS, %
Total T cells	CD3+	ABS, %
Helper T cells	CD3+ CD4+ CD8-	ABS, %
Cytotoxic T cells	CD3+ CD4- CD8+	ABS, %
B cells	CD3- CD19+	ABS, %
NK cells	CD3- CD56+	ABS, %

### Complex IPT Panel I Gating Strategy



### Validation Test Scripts & Acceptance Criteria

Validation Parameters	Samples	Acceptance criteria	Results
Intra-Assay Precision	6 Donors 1 Analytical Run 4 Replicates	%CV ≤ 20%	Pass (96/96): ✓
Inter-Assay Precision	6 Donors 3 Analytical Runs 3 Replicates	%CV ≤ 20%	Pass (96/96): ✓
Inter-Analyst Precision	4 Donors 2 Analysts 3 Replicates	Percent Difference ≤ 20%	(48/48): ✓
Sample Stability	6 Donors Up to 2 days post collection (Time point = 0hr, 24hr, 48hr)	Change from baseline ≤ 20%	24hr (71/72): ✓ 48hr (62/72): ✗
Fixed Sample Stability 4°C	4 Donors Up to 2 days post-fix (Time point = 0hr, 24hr, 48hr)	Change from baseline ≤ 20%	24hr (48/48): ✓ 48hr (48/48): ✓
Biological Variability	5 Donors 3 Replicates	Reported as found	(12/12): ✓

*Our scientific team can provide expert advice and guidance for all of your clinical trial needs. Please contact us to customize this panel for upcoming Clinical studies.*