Preclinical & Clinical Studies-Using Flow Cytometry throughout Development



PRECLINICAL RESEARCH

TOXICOLOGY & SAFETY

CLINICAL STUDIES

PURPOSE

Provide early development research on a drug candidate

FLOW CYTOMETRY ASSAYS

- Immunophenotyping
- · Cell Signaling
- Intracellular Cytokine Secretion/Production (ICS)



- Novel Antibody Mechanism of Action Assays
- · Cell Sorting and Isolation
- Cell Culture

PURPOSE

Assess the level of safety of a drug in development prior to entering human clinical trials

FLOW CYTOMETRY ASSAYS

- Maximum Tolerated
 Dose Assessment (MTD)
- Immunophenotyping
- Intracellular Cytokine Secretion/Production (ICS)



- Cell Signaling
- GLP Assay Validation
- PK/TK/PD Dynamic Analysis

PURPOSE

Diagnosis, prognosis & monitoring of diseases in multiple clinical phases

FLOW CYTOMETRY ASSAYS

- Minimal Residual Disease Assessment (MRD)
- Receptor Occupancy
- Immunophenotyping



- Biomarker Detection
- GCP Assay Validationn

IN VITRO PROOF OF CONCEPT



IN VIVO SPECIES



AVERAGE 1-4 YEARS

IN VIVO SPECIES



AVGERAGE 1-2 YEARS

IN VIVO SPECIES



AVERAGE 6-7 YEARS