

Consulting, development, validation and application of immune biomarkers for:

Selection/validation of drug lead candidates

Application of customized and off-the-shelf biomarker tests for lead candidate selection.

Phase 0 studies

Phase 0 studies on patient biosamples to confirm biomarker test portfolios for therapy monitoring.

Therapy monitoring

Therapy monitoring in trials for safety, PD/PK, patient stratification, and assays.

Data analysis and scientific/medical interpretation

CheckImmune is supported by a team of experts with extensive biomarker experience.

Our services and expertise

Off-the-shelf ready-to-go qualified/validated assays

TechTransfer of assays from the sponsors to CheckImmune and revalidation

Development and validation of customized new assays

Innovative, **study-specific** and reliable assay portfolio with maximum information gain

Advice in Data Interpretation and Medical Interpretation



Technology Platforms



Complex Flow & Spectral Flow Cytometry

Methods

Off-the-shelf validated panels
Customized panel design

Applications

Immune cell subsets
Functional assays
Receptor occupancy
Blood and tissue samples
Cell product specification



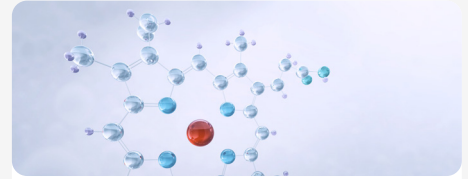
Molecular & Multi-Omics Analysis

Methods

Bulk RNAseq, TCR / BCR repertoire
Single cell multi-omics
(RNAseq, TCRseq, CITEseq)
qRT-PCR (e.g. IFN signature)
Spatial transcriptomics

Applications

Molecular pattern in blood, tissues
and cell products
Rare cell characterization



Multiplex Ligand Assays

Methods

Off-the-shelf validated panels
Customized panel design

Applications

Ligands in liquid biopsies
Ligands in tissue extracts
Ex vivo functional assays
Secretome of cell products



Functional Assays

Methods

Off-the-shelf validated panels
Customer-specific tests

Applications

T cell function
Monocyte and DC function
NK function
Cell product functionality



Anti-Drug Response (ADA/ADT)

Methods

Customized test design
Cell and ligand-based assays

Applications

Immunity to biologics
Immunity to cell and gene products
anti-drug antibodies (ADA) or
anti-drug T cells (ADT)



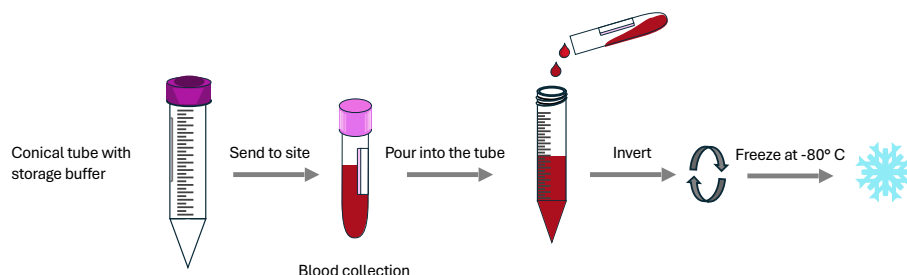
Access to additional Methods (Academic Partners)

Methods

Spectral flow cytometry
Epigenetics
Mass spectrometry (HRM-MS)
Next-Generation-Sequencing
Digital Droplet-PCR
Cell Sorting / Enrichment of
targeted populations

Novel, reliable method - Use of stabilized blood in clinical trials

To address pre-analytical challenges for flow cytometric, functional assays and single cell multi-omics (particularly important for multicenter trials)



- ✓ Easy Handling
- ✓ Low Error Rate
- ✓ Batched Shipment



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