

**anaRIC biologics**

*Analytical solutions readily delivered*

# CELL-BASED MEDICINAL PRODUCTS

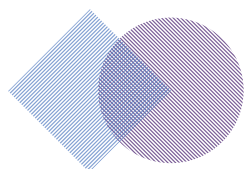


## EXPERIENCE

- CAR-Ts
- Dendritic cells
- PBMCs (MLR)
- Stem cells
- NK cells

## ANALYTICAL SOLUTIONS

- Product characterization
- Method development
- Validation & transfer
- Release
- Stability
- Comparability
- Consultancy



## CELL-BASED MEDICINAL PRODUCTS

### TESTING CAPABILITIES

#### Characterization

- Multiplex testing (8 colors) by FACS
- Primer & probe design
- Electrochemiluminescence (MSD)

#### Identity

- Single / multiple protein marker(s)
- Absence of marker(s)
- Protein secretion
- Gene expression
- Distribution by flow cytometry

#### Purity

- Percentage of dead cells & undesired cells
- Ratio viability
- MHCII

#### Potency

- Biomarkers
- ELISA
- Gene expression by RT-qPCR
- Enzymatic assays
- Flow cytometry
- Mixed lymphocyte reaction (MLR) assay

#### Quantity

- Cell viability
- Cell count

#### General quality

- Appearance
- pH
- Osmolality

#### Process impurities & contaminants

- Host-derived (HCPs, DNA)
- Downstream / cultured-derived
- Residual solvents / chemicals / biochemical / inorganic salts
- Medium components
- Mycoplasma
- Sterility
- Endotoxins

#### TECHNOLOGIES

- Cell culture
- Luminescence
- Flow cytometry
- Real-time PCR (qPCR)
- ELISA
- Spectrophotometry
- Meso Scale Discovery's (MSD) Multi Array technology
- Electroporation
- Mass spectrometry
- Liquid chromatography