

Moxi GO II

CAR-T Workflow Solution.

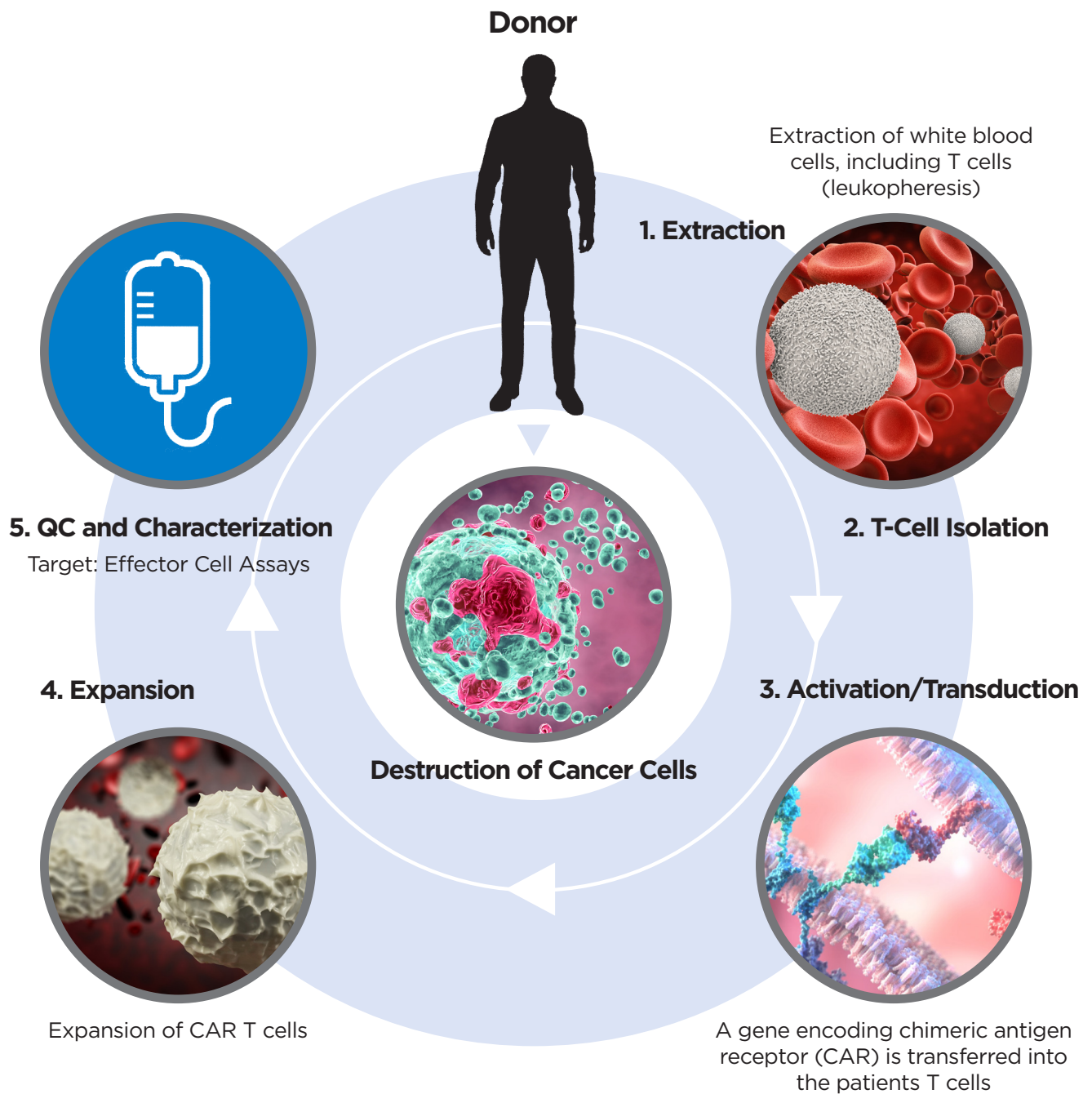
Chimeric Antigen Receptor (CAR) cell therapies have emerged as an effective method in immuno-oncology research for successfully treating some forms of leukemia and lymphoma. However, performing accurate cell analysis, including precise size determination and viability, throughout the process remains inefficient and cumbersome, currently requiring the use of multiple instruments.

The **Moxi GO II Cell Analyzer** perfectly addresses all of the cell analysis needs required in CAR research, whether your performing basic research or in full production. The Moxi GO II is the only instrument in the world that combines Coulter Principle (electronic) cell detection with simultaneous two-color fluorescence detection. This unique combination allows for exact volumetric cell sizing (<3% CV), which is required to determine the end of the Expansion phase, while also allowing for the analysis of fluorescence-based viability, GFP expression, CD phenotyping, etc.

The **Moxi GO II** uniquely combines two instruments in one: Coulter Principle based cell size and count analyzers with traditional flow cytometers...vastly simplifying CAR workflows.



Research Use Only.
Not for Diagnostic
Procedures.



Moxi GO II covers the full CAR-T research workflow.

The CAR-T workflow involves Extraction of the patients T cells, Isolation, Activation/Transduction, Expansion, and QC and Characterization. The Moxi GO II is the ideal platform for each step in the CAR-T research workflow.

1. Extraction

- Isolated PBMC viability check

2. T-Cell Isolation

- Purity check

3. Activation/Transduction

- QC of Count
- Dynabead count, pre- and post-activation
- Activation monitoring
- Transduction efficiency monitoring and optimization

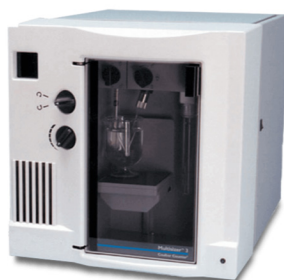
4. Expansion

- Total count, viability, MCV, Phenotypes, T:E Ratios

5. QC and Characterization

- Effector Cell Count, MCV and viability
- Target: Effector Cell Assays
- Cell Health

Cell Therapy (CAR-T) Market: Cell Volume is Key.



Coulter Principle
Cell Counter (size)



Flow Cytometer
(fluorescence)



Coulter Principle Counter Sizing
with 2 Color Flow

Moxi GO II™

Two instruments in one.

Save Time: One Sample Prep, One Test, One Location
Save on Cost: One System, More Efficient, No Maintenance

MoxiGO II

Coulter Principle Size/Count
+ Two Color Flow



Cassette Performance:

Effective Diameter - Size Range (μm)	3-27 μm
Cell Volume (fL)	14 - 10,306 fL
Measurement Time	10-15 seconds
Concentration	5,000 - 1,750,000 cells/ml
Sample Volume (μL)	60 μL Type S+

System Specifications

Laser	488nm
Fluorescence Detection	2 PMTs
Coulter Principle for Cell Count and Size	✓
FITC Channel (525/45 nm)	✓
PE Channel (561 nm LP)	✓
PI Channel (646 nm LP)	✓
7" Color Touch Display	✓
USB on-the-go (PC or MAC)	✓
FCS 3.1 Data output	✓

On Board Applications:

Cell Count and Size	✓
Cell Count (Size and Viability)	✓
GO Flow (easy, custom-flow assays)	✓
Cell QC (Size and Viability)	✓
PBMC Check	✓
CAR T Expansion (Count and Purity)	✓
Open Flow (user configurable flow assays)	✓
GFP Check	✓
Cell Health (Calcein-AM, Viability)	✓
Apoptosis (Annexin V-FITC, Viability)	✓



Request a FREE Demo

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