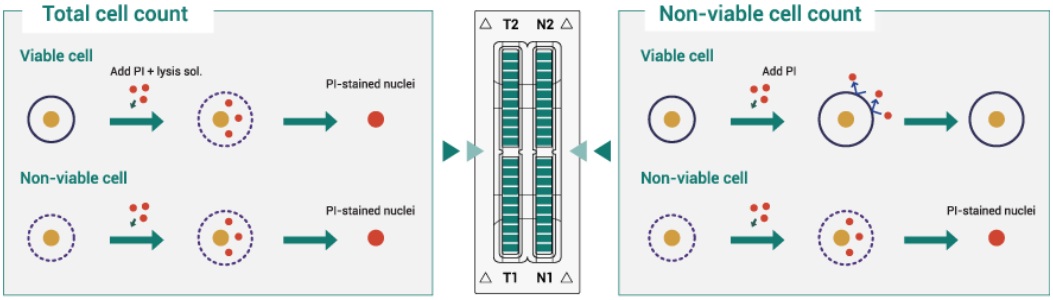
# *ADAM-MC2, ADAM-CellT*

## Automated fluorescence cell counter

***ADAM-MC2***, versatile automated fluorescence cell counter, allows users to perform assays for cells including cell counting and viability. To count cells, the cells are mixed with a Propidium Iodide (PI) stain and directly pipetted on to a disposable plastic chip. ***ADAM-CellT*** with the same hardward as ADAM-MC2 complies 21 CFR part 11 which is a regulation about electronic records and signatures for use in cGMP facilities.

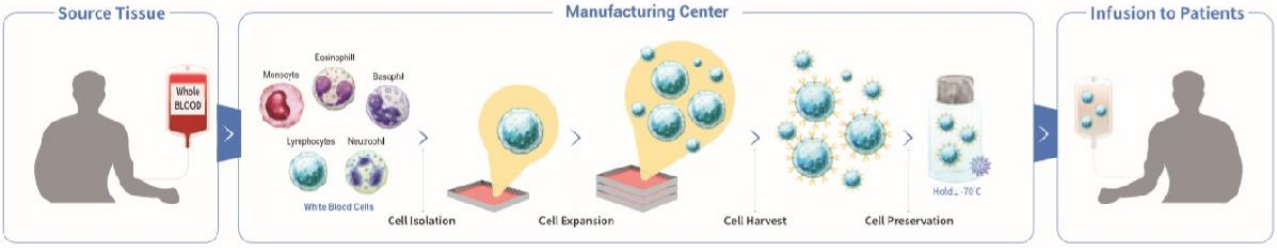
***Principle of Viability Measurement (PI-Staining Method)***




* There are two types of disposable chips: 2 channel and 4 channel

- After the samples are stained with fluorescent dye, propidium iodide, which intercalates DNA to stain the nucleus of target cells, ADAM-MC2 takes fluorescent images automatically.

***QC Platform for producing CAR-T cell using ADAM-MC2, ADAM-CellT***




- For R&D, Process control, Quality control of CAR-T cell using ADAM-MC2, ADAM-CellT

***Specification***

| Specification | ADAM-MC2 & CellT |
|---|---|
| Loading Vol | 13 µL (4ch) |
| Measurement Vol | 3.4 µL (4ch) |
| Optics | 4 X |
| Analysis time | 25 sec / test (4ch) |
| GMP & 21 CFR Part 11 | ADAM CellT (only) |

ADAM CellT ADAM MC2

# *ADAM-LS*

Fluorescence cell analyzer with open tool system

ADAM-LS, versatile fluorescence cell analyzer based on 4-channel (bright field, UV LED, blue LED, green LED) for life science laboratory, allows users to perform lots of assays for cells including cell counting (total & nucleus), viability, apoptosis, cell cycle, fluorescence expression with open tool system and similarity to FACS.

## *Advantages*

### *Versatility*

- Compatible with a wide variety of eukaryotic cells
- Performs assays including cell counting (total & nucleus), viability, apoptosis, cell cycle, and fluorescence expression


### *High-quality cell analysis*

- Performs 4-channel (bright field, UV, blue, and green LED)
- Result with histograms and select cell size gating

### *Open tool system*

- Possibility to apply with other reagents in the right wavelength
- Fluorescence expression (GFP, RFP, DAPI)
- Nucleus counting (GFP, RFP, DAPI)

### *Similarity to FACS*

- Dot plot
- Easy GUI, report format, and compatibility with FCS file
- No need for system maintenance

## *ADAM-LS specification*

| Optic channel | BR (Bright field) channel | FL (Fluorescence) channel 1 | FL channel 2 | FL channel 3 |
|---|---|---|---|---|
| Channel | BR | DAPI | GFP | RFP |
| Light source | Green LED (up-light) | UV LED | Blue LED | Green LED |
| Excitation | - | FF01-390/40 | FF01-466/40 | FF01-543/22-25 |
| Dichroic | FF495-Di03 | Di02-R405 | FF495-Di03 | FF580-FDi01 |
| Emission | FF01-525/50 | FF01-452/45 | FF01-525/50 | BLP01-561R |

# *ADAM-CDx*

All-in-one system for cell therapy

(R&D and QC Process)

***ADAM-CDx***, all-in-one system with 4-channel (Bright field and 3 fluorescent channels) for cell therapy R&D and manufacturing process.

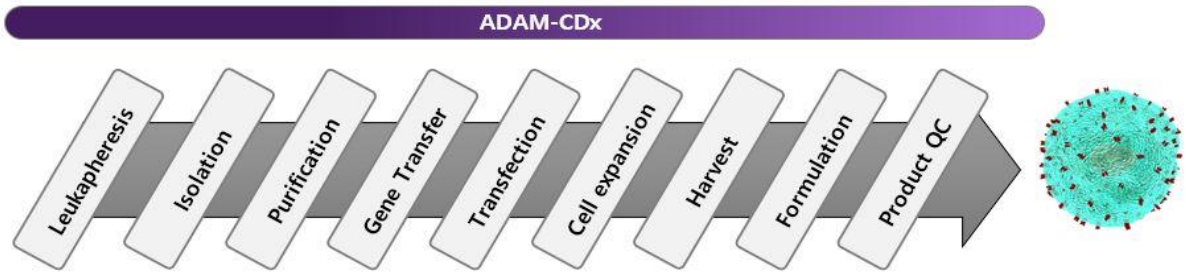
## *Advantages*

### *Target cell*

- Immune cell, CAR-T cell, NK cell
- Mammalian cell, Primary cell, Cell line
- Stem cells, PBMCs

### *High-quality All-in-one system*

- Absolute counting of CD (cluster of differentiation) marker positive cells
- Total cell counting (BF, FL), Viability, Cell growth curve
- Apoptosis, Transfection efficiency, Cell cycling




## *ADAM-CDx specification*

| *FL channel* | *BR (Bright Field) channel* | *FL (Fluorescence) channel 1* | *FL (Fluorescence) channel 2* | *FL (Fluorescence) channel 3* |
|---|---|---|---|---|
| Dye | BR | BV510 | PE | PerCP |
| Light source | Green LED (up-light) | 405 (UV LED) | 525 (Green) | 525 (Green) |
| Excitation | - | 390/40 | 510/42 | 525/50 |
| Emission | 572/28 | 525/50 | 572/28 | BLP01-635R |
| ***CD marker panel*** (candidate) | | | | |
| Panel 1 (T cell) | | CD4 | CD8 | CD3 |
| Panel 2 (T & B cell) | | CD3 | CD19 | CD45 |
| Panel 3 (NK cell) | | CD3 | CD56&16 | CD45 |