

isocode[®]

Mouse CAR-T Cell Guide
for IsoCode

IsoCode
Reagent

IsoCode



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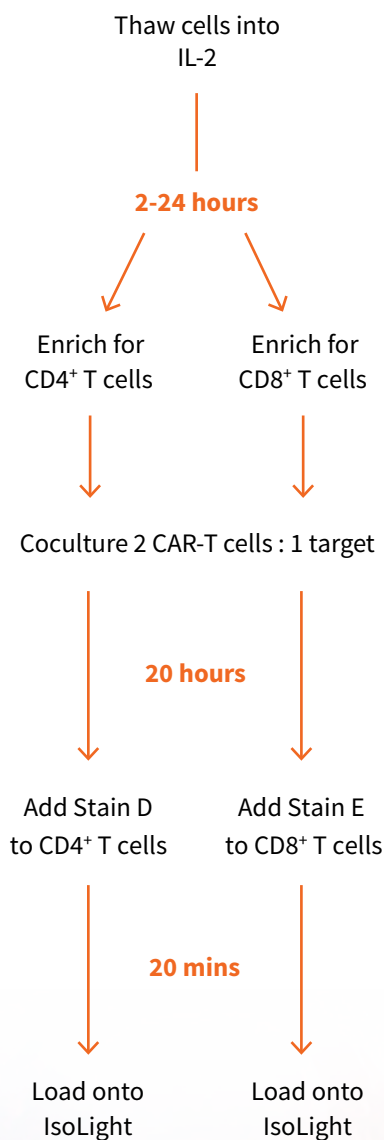
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Selected References:

Rossi et al., Proc. AACR Annual Meeting 2017

Xue et al., Journal for Immunotherapy of Cancer 2017



IsoCode Chip Pre-Chip Stimulation

- A.** Coculture 2 CAR-T cells : 1 target for 19-21 hours
 - 1) CD4⁺ CAR-T cells : CAR-T specific targets
 - 2) CD4⁺ CAR-T cells : NGFR targets
 - 3) CD8⁺ CAR-T cells : CAR-T specific targets
 - 4) CD8⁺ CAR-T cells : NGFR targets

T cell Enrichment

- A.** Recover frozen cells in IL-2 for 2-24 hours
- B.** Ficoll cells to ensure >80% viability
- C.** Enrich for CD4⁺ CAR-T cells via Miltenyi CD4⁺ T Cell Isolation Kit (see kit protocol)
- D.** Enrich for CD8⁺ CAR-T cells via Miltenyi CD8⁺ T Cell Isolation Kit (see kit protocol)

Enriching for CD4⁺ or CD8⁺ T-cell population is required in order to detect cell subsets in required quantities on the IsoCode Chip

IsoCode Chip Staining Step

- A.** Add Stain D* to enriched CD4⁺ T cells
- B.** Add Stain E* to enriched CD8⁺ T cells

See 'IsoLight Manual' for additional stains and for exact volumes and cell concentrations

Loading onto the IsoLight

- A.** Add cells at 800,000 cells/mL to the IsoCode Chip and load onto the IsoLight

Wait for IsoCode Results

- A.** Review data after completion of 24 hour run