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(54) **Title:** METHODS FOR GENERATING ENGINEERED LYMPHOCYTES WITH ENRICHED T MEMORY STEM CELLS

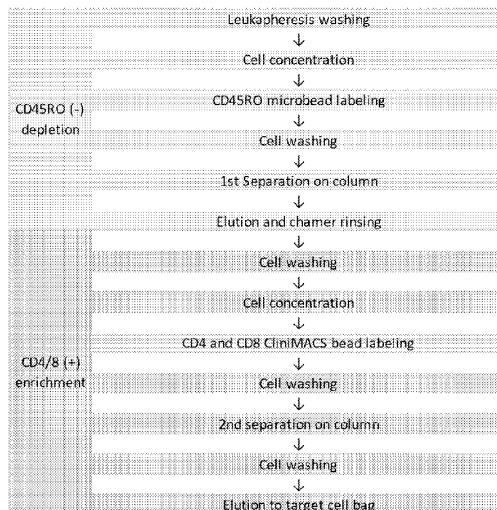


FIG. 1

(57) **Abstract:** Provided herein are methods for manufacturing CAR-T cell products with high purity of TSCM subsets (>90%), independent of the variations from incoming leukapheresis. In some embodiments, to isolate the CCR7 and CD45RA double positive T cell subset, the processes described herein deplete CD45RO positive cells from leukapheresis and positively enrich for a CD4 and CD8 T cell population to isolation both TSCM and effector memory T cell (TEMRA) subsets, both of which positively express CD45RA and CCR7.

[Continued on next page]

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