Method for Preparing Chimeric Antigen Receptor T Cells by Serum-Free Culture

Abstract

Provided is a method of preparing chimeric antigen receptor T cells by serum-free culture. The method comprises steps of: (a) providing PBMC cells; (b) performing negative sorting treatment on the PBMC cells to obtain sorted PBMC cells; (c) activating the sorted PBMC cells to obtain activated T cells; (d) transfecting the activated T cells with a viral vector expressing a chimeric antigen receptor, so as to obtain transfected T cells; (e) removing the viruses from the transfected T cells to obtain virus-removed T cells; and (f) subjecting the virus-removed T cells to expansion culture to obtain chimeric antigen receptor T cells.

[No Suitable Figure]