

Title (en)
A METHOD FOR PRODUCING MULTIVIRUS SPECIFIC T CELLS

Title (de)
VERFAHREN ZUR HERSTELLUNG VON MULTIVIRUSSPEZIFISCHEN T-ZELLEN

Title (fr)
PROCÉDÉ DE PRODUCTION DE CELLULES T SPÉCIFIQUES MULTIVIRUS

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Application
EP 19928301 A 20191213

Priority

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Abstract (en)
[origin: WO2021101466A1] The present invention relates to a method for producing multivirus specific T cells convenient for use for cellular therapy purposes against multiple viruses worldwide, comprising the steps of making donor selections using HLA tissue information data and apheresis of blood obtained from the donor; separating naive T cells (1) from apheresis allograft (2) by selectively labeling with magnetic CD45RA beads (3); performing CD45RA+ depletion with the help of a magnetic column (4) and collecting naive T cells (5) under the magnetic column (4); stimulating separated mononuclear T cells (5) with a viral peptide pool (6) at least once; feeding cytokines with IL-2 and IL-7 content (7) on different days to the T cell (8) population formed; multivirus specification of T cell (8) population by re-stimulation with viral peptide pool (6); ensuring the expansion of multivirus specific T cell (11) population by feeding cytokines (10) with IL-2, IL-7 and IL-15 content on different days; and determining the peptide-specific activity of the produced cells.

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Citation (search report)

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- See also references of WO 2021101466A1

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