ABSTRACT

PHARMACEUTICAL COMPOSITION FOR CANCER TREATMENT AND PHARMACEUTICAL PREPARATION FOR CANCER TREATMENT CONTAINING SAME COMPOSITION AS ACTIVE INGREDIENT

The purpose of the present invention is to provide a novel anticancer therapeutic having a high effect against solid cancers, lacking the side effects of chemotherapeutics, and being unlikely to cause resistance. Provided is a pharmaceutical composition for cancer treatment prepared by a method having: a stem cell production step for making immortalized stem cells by introducing four types of genes into deciduous tooth dental pulp stem cells obtained from the dental pulp of mammals; and a condition medium preparation step for culturing the immortalized stem cells for a predetermined length of time in serum-free medium at 23-27ºC under conditions of low oxygen concentration at an oxygen concentration of from 0.5% to less than 20%, the pharmaceutical composition containing 1.5 times or more of insulin-like growth factor (IGF-1) and vascular endothelial growth factor (VEGF) than is contained in condition medium prepared when culturing at an oxygen concentration of 20% and otherwise identical conditions.

[No Fig.]