

Title of Invention:

AUTOSERUM-CONTAINING BONE MARROW CELL CULTURE SYSTEM,
AUTOSERUM-CONTAINING BONE MARROW CELL CULTURE METHOD, AND
METHOD FOR PRODUCING MEDICINAL COMPOSITION COMPRISING
AUTOSERUM-CONTAINING CULTURED BONE MARROW CELLS AS ACTIVE
INGREDIENT

Abstract

To provide an autoserum-containing bone marrow cell culture system, whereby bone marrow cells, which are collected from a subject without using an anticoagulant, are subjected to an anticoagulation treatment using a medium in a liquid-tight state, cultured and then further cultured using the serum of said subject which is prepared in a liquid-tight state; an autoserum-containing bone marrow cell culture method; and a method for producing a medicinal composition which comprises, as the active ingredient, autoserum-containing cultured bone marrow cells. [Solution] An autoserum-containing bone marrow cell culture system for culturing bone marrow cells, which are collected from a subject without using an anticoagulant, using the serum of said subject, said system comprising a bone marrow cell suspension-storing device, a collected blood-storing device, an autoserum-acquiring device, and a bone marrow cell-culturing device. According to the present invention, bone marrow cells can be cleanly, safely and surely cultured at a high efficiency in a regenerative medical setting for treating

cranial nerve diseases such as cerebral infarction,
spinal cord injury and demyelinating diseases