

Title (en)

METHOD AND CONTAINER FOR STORING PLATELETS.

Title (de)

VERFAHREN UND BEHÄLTER ZUM LAGERN VON BLUTPLÄTTCHEN.

Title (fr)

PROCEDE ET CONTENEUR DE STOCKAGE DE PLAQUETTES SANGUINES.

Publication

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Application

**EP 83902868 A 19830822**

Priority

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Abstract (en)

[origin: WO8401292A1] Methods and containers for storing platelet cells. In accordance with one aspect of the invention, an improved container for storing a unit of platelet cells at an acceptable level of viability is provided wherein the container is made of polymer material and the container meets the following requirement for the gas transmission rate:  $85 < GTR < 180$ ; wherein  $GTR = \frac{C \times P_{CO_2} \times SA}{FT}$  wherein GTR is in units of (nanomoles)/(min.-cm Hgco<sub>2</sub>); C is a unit conversion constant of  $2.68 \times 10^{-4}$  in units of (nanomoles-sec.)/(cc-min.); Pco<sub>2</sub> is the CO<sub>2</sub> gas permeability constant for the container material in units of <IMAGE>SA is the total surface area of the container in square centimeters; and FT is the thickness of the container material in centimeters. In accordance with the invention containers and methods are provided which optimize the storage of a particular number or number range of platelet cells, so that viability and storage time are maximized.

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