

Title (en)  
METHOD FOR ENHANCING HEMATOPOIESIS

Title (de)  
VERFAHREN ZUR VERSTÄRKUNG DER HÄMATOPOIESE

Title (fr)  
PROCEDE DESTINE A PROMOUVOIR L'HEMATOPOIESE

Publication  
**EP 1192243 A1 20020403 (EN)**

Application  
**EP 00943131 A 20000622**

Priority  
• US 0017427 W 20000622  
• US 14062899 P 19990623

Abstract (en)  
[origin: WO0078930A1] A method is provided for enhancing hematopoiesis. The method includes transplanting at least a therapeutically effective portion of an isolated vascular tissue into a subject, wherein the vascular tissue enhances hematopoiesis. A method is also provided for detecting an agent that affects hematopoiesis. The method includes transplanting a portion of an isolated vascular tissue into a subject, wherein the portion of the isolated vascular tissue is sufficient to enhance hematopoiesis. The vascular tissue is treated with an agent, and hematopoiesis is detected in the subject. Hematopoiesis in the subject is compared with hematopoietic in a control. A change in hematopoiesis in the subject as compared to the control indicates that the agent affects hematopoiesis. A method is provided for isolating a hematopoietic stem cell using the method of the invention. In addition, a method is provided for isolating a hematopoietic stem cell using the method of the invention. Pharmaceutical compositions and kits for promoting hematopoiesis are also disclosed. In addition, a non-human animal model is also disclosed for testing agents that affect hematopoiesis. The model system is a non-human animal deficient for hematopoiesis transplanted with an isolated portion of a vascular tissue, wherein the portion of the vascular tissue is sufficient to promote hematopoiesis.

IPC 1-7  
**C12N 5/00; A01N 63/00**

IPC 8 full level  
**A01K 67/027** (2006.01); **A61F 2/06** (2013.01); **A61K 35/12** (2006.01); **A61K 35/14** (2006.01); **A61K 35/44** (2006.01); **A61K 38/22** (2006.01); **A61K 45/00** (2006.01); **A61P 7/06** (2006.01); **C07K 14/475** (2006.01); **C12N 5/06** (2006.01); **C12N 5/07** (2010.01); **C12N 5/0787** (2010.01); **C12N 5/0789** (2010.01); **G01N 33/15** (2006.01); **G01N 33/50** (2006.01)

CPC (source: EP)  
**A61K 35/44** (2013.01); **A61P 7/06** (2017.12); **G01N 33/5082** (2013.01); **A61K 35/12** (2013.01)

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**WO 0078930 A1 20001228**; AU 5764700 A 20010109; AU 780468 B2 20050324; CA 2375527 A1 20001228; EP 1192243 A1 20020403; EP 1192243 A4 20030528; JP 2003530899 A 20031021

DOCDB simple family (application)  
**US 0017427 W 20000622**; AU 5764700 A 20000622; CA 2375527 A 20000622; EP 00943131 A 20000622; JP 2001505673 A 20000622