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(71) Applicant: NATIONAL UNIVERSITY OF SINGA-
PORE [SG/SG]; 21 Lower Kent Ridge Road, Singapore
119077, Singapore 119077 (SG).

(72) Inventors: ZHANG, Suchun; c/o Duke-NUS Medical
School, 8 College Road, Singapore 169857, Singapore
169857 (SG). WANG, Zhifu; c/o Duke-NUS Medical
School, 8 College Road, Singapore 169857, Singapore
169857 (SG).

(74) Agent: CHENG Wei; JurisAsia LLC, 9 Raffles Place, Re-
public Plaza, #29-02, Singapore 048619 (SG).

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(54) Title: COMPOSITION FOR CELL TRANSPLANTATION THERAPY AND THE USE THEREOF

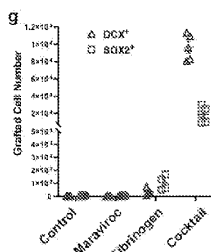


Figure 1

(57) Abstract: Disclosed is a composition for supporting survival and differentiation of neural pre-
cursor cells (NPCs) grafted into a neurological injury or disease site, the composition comprising: (a)
a gel forming molecule; and (b) a chemokine receptor type 5 (CCR5) antagonist. Also disclosed is a
method of treating a neurological injury or disease of a subject, comprising (a) mixing NPCs with the
composition as disclosed herein; and (b) administering a mixture of the NPCs and the composition
into a neurological injury or disease site of the subject, to thereby support survival and differentiation
of the NPCs. Also disclosed is use of a mixture of NPCs and the composition as disclosed herein in
the manufacture of a medicament for treating a neurological injury or disease of a subject, wherein
the mixture is to be administered into a neurological injury or disease site of the subject, to thereby
support survival and differentiation of the NPCs. Further disclosed is a kit for use in supporting sur-
vival and differentiation of NPCs grafted into a neurological injury or disease site, the kit comprising:
(a) the composition as disclosed herein; (b) artificial cerebral spinal fluid (a-CSF); (c) CaCl_2 ; and (d)
thrombin.