

國立臺灣大學研發成果技術行銷表

臺大案號: 10A-101118

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技術名稱	YLL medium
發明人/單位	楊台鴻、李亦震、林泳沖、張旭賢/醫學工程學所
技術內容	本發明揭示一種分離的概念，發展出含有血清成份的神經幹/前，驅細胞 (neural stem/precursor cells, NPSCs) 分化 (differentiate) 成神經元 (neuron) 的培養基，目前市面上細胞母養基多以達爾伯克氏改良伊格爾氏培養基(DMEM)、達爾伯克氏改良伊格爾氏培養基添加 F12 (DMEM/F12)...等為主，本發明主要是與DMEM/F12添加各種促進細胞生長成份之後用於培養細胞，發展出一個有調控神經幹/前驅細胞分化成神經元功能的培養基，以利於一般使用者可以用於誘導神經幹/前驅細胞分化之時，進而利用本發明之培養基來誘導。
應用範圍	調控神經幹/前驅細胞分化成神經元功能的培養基
產品/技術優勢	調控神經幹/前驅細胞分化成神經元功能的培養基，以利於一般使用者可以用於誘導神經幹/前驅細胞分化之時，進而利用本培養基來誘導。
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Marketing Abstract of NTU's Invention Disclosure

NTU's docket no: 10A-101118

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Title	YLL medium
Inventor (s)	Tai-Horng Young, Yi-Chen Li, Yong-Chong Lin, Hsu-Hsien Chang / Institute of Biomedical Engineering
Brief Description	This invention is an idea similar to separation. The medium is a culture medium that cell culture medium containing the serum components. The main component of commercial cell mediums are Dulbecco's modification of Eagle's medium Dulbecco (DMEM) and Dulbecco's modification of Eagle's medium Dulbecco/F12 (DMEM/F12) etc., therefore, the main idea of this invention is that developing a neural stem/precursor cells (NPSCs) differentiation medium, which DMEM/F12 containing serum components, it is convenient for user induction of the neuronal differentiation of neural stem/precursor cells that user want to further study.
Fields of Application	The medium that mediating neural stem/precursor cells differentiate into neurons.
Advantages	Inducing neural stem/precursor cells differentiate into neurons.
IP Right(s)	Patent pending