ABSTRACT

To supply substantially isolated neural cells in a large amount, and to provide an application means for a neuroregenerative medicine or the like for a neurodegenerative disease, a nervous damage or the like. A method for producing a substantially isolated neural cell, comprising the step of carrying out the suspension culture of embryonic stem cells in the presence of an astrocyte conditioned medium or ingredients substantially equivalent to the conditioned medium; and a neural cell obtained thereby; a cell pharmaceutical composition comprising, as an active ingredient, the isolated neural stem cell; and a method for treating a neurodegenerative disease or nervous damage, comprising the step of introducing the neural cell into a neurodegenerative site or a nervous damage site.