

# NDiff® N2B27

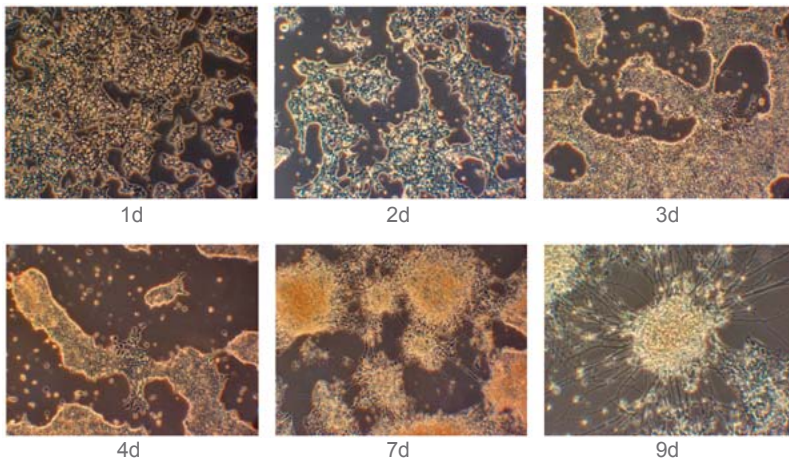
## Classical Medium for Simple and Efficient Monolayer Neural Differentiation

SC Proven cell culture products undergo rigorous quality control procedures before release. The SC Proven stamp is your assurance that the product you receive has met our high standards of quality.



**NDiff N2B27** is a defined serum-free medium for the neural differentiation of mouse embryonic stem (ES) cells in adherent monoculture conditions as described in Ying QL et al (2003)<sup>1</sup>.

### Monolayer Neural Differentiation of Mouse ES Cells



### Mouse ES Cell Culture

N2B27 has also been shown to be able to support the serum-free, feeder-free culture of mouse ES cells when supplemented as described in Ying QL et al (2003)<sup>2</sup>.

### Anterior Definitive Endoderm (ADE) Differentiation of Mouse ES Cells

N2B27 has been used to optimise methods for the differentiation of mouse ES cells into ADE<sup>3</sup>, the precursor cells that eventually form the liver and pancreas.

### References

- 1 Ying QL, Stavridis M, Griffiths D, Li M, Smith A (2003) Conversion of embryonic stem cells into neuroectodermal precursors in adherent monoculture. *Nature Biotechnology* 21:183-186
- 2 Ying QL, Nichols J, Chambers I, Smith A (2003) BMP induction of Id proteins suppresses differentiation and sustains embryonic stem cell self-renewal in collaboration with STAT3. *Cell* 115:281-292
- 3 Morrison G, Oikonomopoulou I, Portero Migueles R, Soneji S, Livigni A, Enver T, Brickman J (2008) Anterior Definitive Endoderm from ESCs reveals a role for FGF signaling. *Cell Stem Cell* 3:402-415



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