

NDiff® N2B27

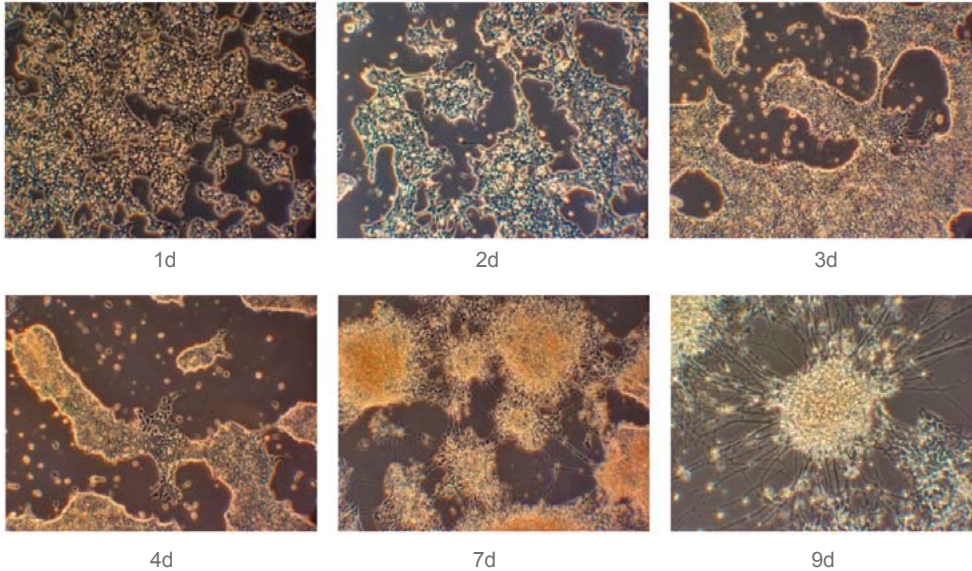
Classical Medium for Simple and Efficient
Monolayer Neural Differentiation



SC Proven® Cell Culture Products undergo rigorous quality control procedures before release. The SC Proven stamp is your assurance that every product bearing our trademark meets impeccable quality standards.

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)¹.

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)².

Anterior Definitive Endoderm (ADE) Differentiation of Mouse ES Cells

N2B27 has been used to optimize methods for the differentiation of mouse ES cells into ADE³, 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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