

NDiff® N27 & NDiff® N27-AF

Supplements of Choice for Stem Cell Culture



SC Proven® 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.

The proprietary defined, serum-free **NDiff N27** and the proprietary defined, serum-free and **animal component-free NDiff N27-AF** cell culture supplements enable the derivation, maintenance, expansion and/or differentiation of human and mouse embryonic stem (ES) cells, induced pluripotent stem (iPS) cells, and tissue-derived neural stem (NS) cells¹⁻¹¹.



(A) Phase Contrast of Mouse E14 ES cell neural differentiation in NDiff N27 supplemented RHB-Basal media.
(B) Oct4 positive Human ES cells in FGF-2 and NDiff N27-AF supplemented media.
(C) Human fetal brain-derived NS cells differentiated into Tuj1 (red) and GFAP (green) positive neurons in adherent monoculture with NDiff N27-AF and NDiff N2-AF supplemented RHB-Basal media.

Based on the original Brewer B27 formulation,¹² applications include*:

- Derivation, maintenance and expansion of mouse ES and iPS cells
- Neural differentiation of mouse and human ES cells in monolayer culture
- Derivation, maintenance and expansion of tissue-derived, adherent mouse and human NS cells
- Differentiation of mouse and human NS cells into functional neurons
- Maintenance and expansion of human ES and iPS cells

*With addition of further supplements

For optimal performance, use NDiff N27 or NDiff N27-AF with the SC Proven media product RHB-Basal®. This proprietary basal formulation is also animal component-free and contains no neuronal supplements, thereby enabling you to tailor it to the specific requirements of your cell type through the addition of your choice of supplements.

References

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