

N2 Supplement-A

For neural and pancreatic differentiation of mouse and human ES and iPS cells

Catalog # 07152

5 mL



Scientists Helping Scientists™ | WWW.STEMCELL.COM

TOLL FREE PHONE 1 800 667 0322 • PHONE +1 604 877 0713

INFO@STEMCELL.COM • TECHSUPPORT@STEMCELL.COM

FOR GLOBAL CONTACT DETAILS VISIT OUR WEBSITE

Product Description

This product has been developed as a medium supplement recommended for use in the in vitro differentiation of human or mouse embryonic stem (ES) cells and induced pluripotent stem (iPS) cells to neural and pancreatic-like cell types. May be suitable for other applications.

N2 Supplement-A may be purchased separately or as a component of the BrainPhys™ Neuronal Medium and N2-A/SM1 Kit (Catalog #05793).

Properties

- Storage:** Store at -20°C.
- Shelf Life:** Stable until expiry date (EXP) on label.
- Contains:**
- Recombinant human insulin
 - Human holo-transferrin (iron-saturated)
 - Sodium selenite
 - Putrescine
 - Progesterone
 - Other ingredients

This product contains material derived from human plasma. Donors have been tested and found negative for HIV-1 and -2, hepatitis B, and hepatitis C prior to donation. However, this product should be considered potentially infectious and treated in accordance with universal handling precautions.

Handling / Directions For Use

For differentiation of human ES or iPS-derived neural progenitor cells to neurons, refer to the Product Information Sheet (PIS) for BrainPhys™ (Document #DX20519), available at www.stemcell.com or contact us to request a copy.

NOTE: Protect N2 Supplement-A from prolonged exposure to light.

Thaw N2 Supplement-A at room temperature (15 - 25°C) for 1 hour. Mix well.

NOTE: Once thawed, use supplement immediately or aliquot and store at -20°C. Do not exceed the expiry date as indicated on the label.

Use this product as directed in the protocol of choice.

References

- Lee S-HH et al. (2000) Efficient generation of midbrain and hindbrain neurons from mouse embryonic stem cells. *Nat Biotechnol* 18(6): 675–9.
- Lumelsky N et al. (2001) Differentiation of embryonic stem cells to insulin-secreting structures similar to pancreatic islets. *Science* 292(5520): 1389–94.

STEMCELL TECHNOLOGIES INC.'S QUALITY MANAGEMENT SYSTEM IS CERTIFIED TO ISO 13485. PRODUCTS ARE FOR RESEARCH USE ONLY AND NOT INTENDED FOR HUMAN OR ANIMAL DIAGNOSTIC OR THERAPEUTIC USES UNLESS OTHERWISE STATED.

Copyright © 2017 by STEMCELL Technologies Inc. All rights reserved including graphics and images. STEMCELL Technologies & Design, STEMCELL Shield Design, Scientists Helping Scientists, and BrainPhys are trademarks of STEMCELL Technologies Canada Inc. All other trademarks are the property of their respective holders. While STEMCELL has made all reasonable efforts to ensure that the information provided by STEMCELL and its suppliers is correct, it makes no warranties or representations as to the accuracy or completeness of such information.