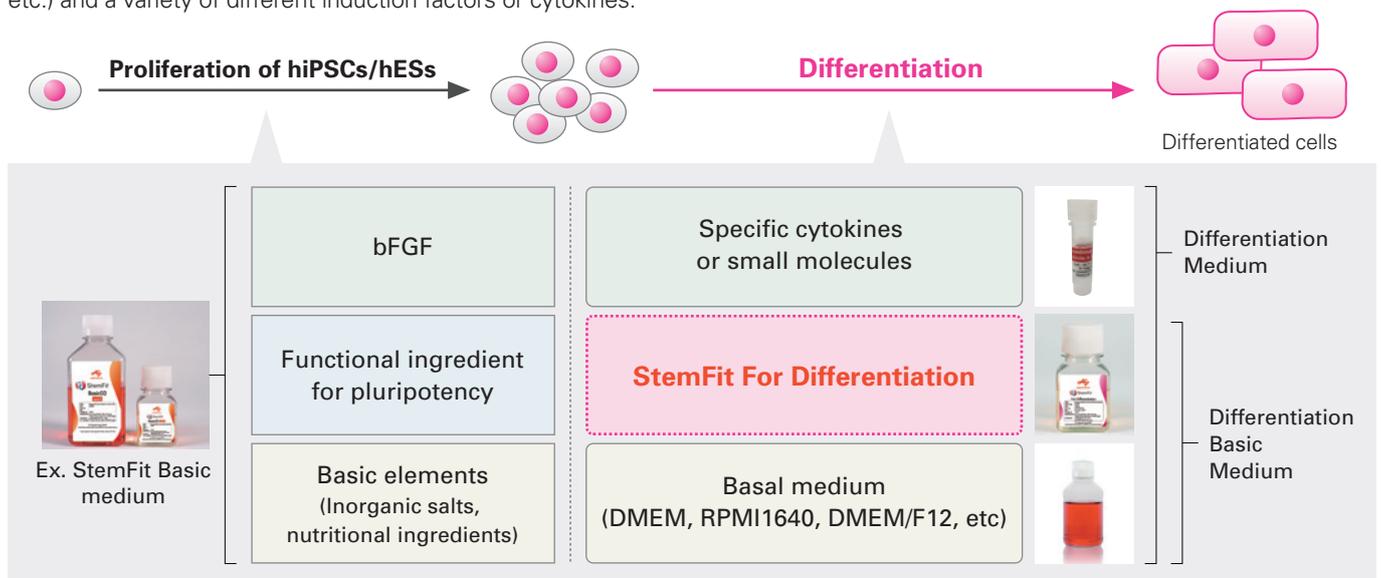


Product Information: StemFit For Differentiation

1. Product Description

StemFit For Differentiation (Diff.) is chemically defined & animal-origin free (CD-AOF) supplement for differentiation of human ES and iPS cells. StemFit For Diff. combined with StemFit medium for the hPSCs expansion can enable clinical applications of hPSC-derived cells/tissues by providing the CD-AOF culture systems for both hPSCs expansion and differentiation.

StemFit For Diff. is provided as a **5x**concentrate and is intended to be used with basal medium (DMEM/F12, RPMI1640, DMEM etc.) and a variety of different induction factors or cytokines.



2. Materials Provided

Volume	Storage
100 ml	Store at below -20 °C

3. Prepare Differentiation Basic Medium

StemFit For Diff. is provided frozen and should be stored at below -20 °C until use. Use sterile techniques to prepare differentiation medium as follow.

- Before use, thaw the frozen StemFit For Diff. with occasionally mixing at room temperature (15-25 °C) or overnight at 4°C. **CAUTION: Do not thaw StemFit for Diff. at 37 °C**, as it accelerates the degradation of medium
- Add 100 mL of StemFit For Diff. (5X) to 400 mL basal medium (DMEM/F12, RPMI1640, DMEM etc.) and mix thoroughly to make differentiation basic medium. If precipitations are observed, keep the bottle at room temperature and dissolve them. *Optional: StemFit For Diff. and differentiation basic medium may be aseptically aliquoted and stored at below -20 °C. Once thawed, they may be stored at 2-8 °C for up to 2 weeks (Do not re-freeze.). We recommend storing the medium protected from light.*
- To differentiate each lineage, induction factors or cytokines can be added as specified by differentiation protocols.
- Before use, warm aliquots to room temperature and use immediately.

4. Contact the following department for product information:

Amino Acids Dept., AminoScience Division, AJINOMOTO CO., INC.

1-15-1 Kyobashi, Chuo-ku, Tokyo 104-8315, Japan

E-mail: stemfit@asv.ajinomoto.com

For Research Use Only. Not Intended For Human or Animal Diagnostic or Therapeutic Uses.

Eat Well, Live Well.



For further information, please contact here. ✉ stemfit@asv.ajinomoto.com

AJINOMOTO CO., INC. AminoScience Division <https://www.ajitrade.com/stemfit/>

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