

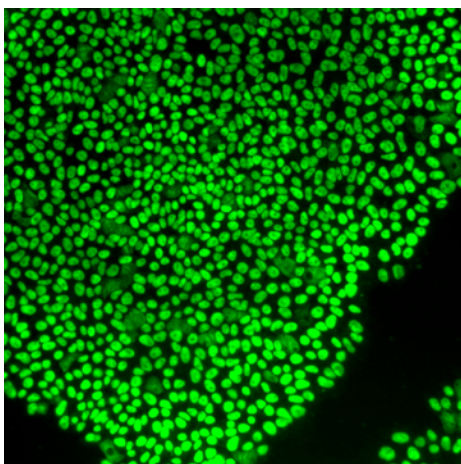
Corning® Synthemax® II-SC Substrate

Self-coating synthetic surface for stem cells

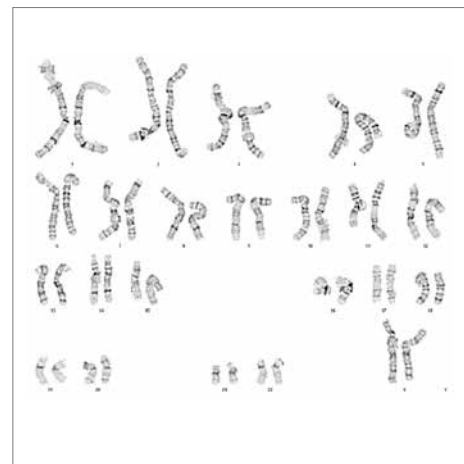
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10 mg vial of Corning Synthemax II-SC substrate



Oct4 staining of hiPSC after 5 passages on Corning Synthemax II-SC substrate in mTeSR™1 medium



hiPSC maintained normal karyotype after 7 passages on Corning Synthemax II-SC substrate in mTeSR1 medium

The Corning Synthemax II-SC substrate is an easy-to-use, self-coating material for creating a unique synthetic surface that mimics the natural cell environment. This surface supports the adhesion and expansion of stem cells in their undifferentiated state and directed differentiation into specialized cell types. In addition, it offers a synthetic, animal-free alternative to biological coatings and/or feeder cell layers used in hES and iPS cell culture.

Corning Synthemax II-SC substrate allows for the scalable multi-passage expansion of pluripotent stem cells in defined media with:

- ▶ Stable doubling time
- ▶ Phenotypic marker expression (Oct4, SSEA4)
- ▶ Retention of pluripotency
- ▶ Retention of normal karyotype

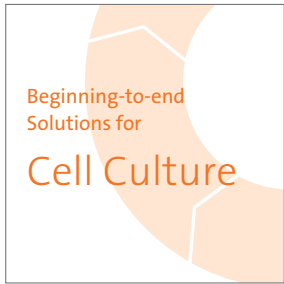
Current methods to maintain hESCs and iPSCs in an undifferentiated state often employ mouse feeder layers or biological substrates. These methods can be problematic as they can be inconsistent and can introduce the possibility of contamination from the animal source. The development of this biomimetic surface directly addresses these issues. Corning Synthemax II-SC substrate is:

- ▶ Easy-to-use
- ▶ Able to coat plastic and glass surfaces
- ▶ Lot-traceable
- ▶ Sterile
- ▶ Quality tested for lot-to-lot consistency

Ordering Information

Corning Synthemax II-SC Substrate

Cat. No.	Description	Size	Qty/Pk
3535	Corning Synthemax II-SC substrate	10 mg	1 vial



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At Corning, cells are in our culture. In our continuous efforts to improve efficiencies and develop new tools and technologies for life science researchers, we have scientists working in Corning R&D labs across the globe, doing what you do every day. From seeding starter cultures to expanding cells for assays, our technical experts understand your challenges and your increased need for more reliable cells and cellular material.

It is this expertise, plus a 160-year history of Corning innovation and manufacturing excellence, that puts us in a unique position to offer a beginning-to-end portfolio of high-quality, reliable cell culture consumables.

For more specific information on claims, visit the Certificates page at www.corning.com/lifesciences.

Warranty/Disclaimer: Unless otherwise specified, all products are for research use only. Not intended for use in diagnostic or therapeutic procedures. Not for use in humans. Corning Life Sciences makes no claims regarding the performance of these products for clinical or diagnostic applications.

For additional product or technical information, visit www.corning.com/lifesciences, or contact our Scientific Support Team at ScientificSupportEMEA@corning.com.

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