

Vitronectin XF™

Xeno-Free Cell Culture Matrix for Pluripotent Stem Cells

Vitronectin XF™, developed and manufactured by Primorigen Biosciences, Inc., is a defined, xeno-free cell culture matrix that supports the growth and differentiation of human pluripotent stem cells (hPSCs). When used with mTeSR™1 or TeSR™-E8™, Vitronectin XF™ provides a completely defined culture system for the maintenance of human embryonic stem (ES) and induced pluripotent stem (iPS) cells under feeder-free conditions. This system allows complete control over the culture environment, resulting in more consistent cell populations and reproducible results in downstream applications. Human ES and iPS cells cultured on Vitronectin XF™ retain pluripotency and normal colony morphology, without the need for an adaptation step (Figure 1).

Advantages:

DEFINED. Recombinant human protein.

EASY-TO-USE. Convenient, room temperature plate coating.

COMPATIBLE. Use with any TeSR™ family medium to maintain hPSCs.

XENO-FREE. Create a completely xeno-free system when used with TeSR™2 or TeSR™-E8™.

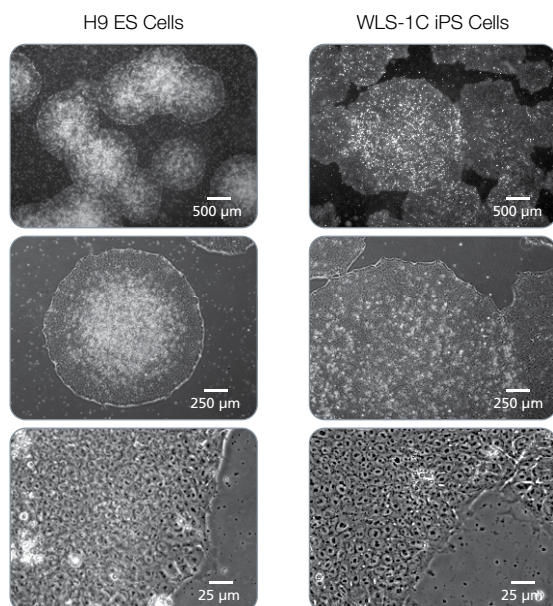


Figure 1. Morphology of Human ES and iPS Cells Cultured on Vitronectin XF™ Cell Culture Matrix in TeSR™-E8™ Medium.

Undifferentiated human ES (H9) and iPS (WLS-1C) cell cultures exhibit normal morphology when cultured on Vitronectin™ XF. Colonies are round, tightly packed and multilayered, with a high nucleus-to-cytoplasm ratio. Cells were transferred directly from Corning® Matrigel® without an adaptation step. Note: Colonies grown in TeSR™-E8™ have a more condensed and round morphology when grown on Vitronectin XF™ matrix, compared to colonies grown on Corning® Matrigel®, which are more diffuse and irregularly shaped.

PRODUCT	CATALOG #	SIZE
Vitronectin XF™ Kit*	07190	1 kit
Vitronectin XF™	07180	2 mL
CellAdhere™ Dilution Buffer	07183	100 mL
Gentle Cell Dissociation Reagent	07174	100 mL
Non-Tissue Culture-Treated 6-well Plates	27147	8 plates/pack

*Kit contains Vitronectin XF™, CellAdhere™ Dilution Buffer, Gentle Cell Dissociation Reagent and Non-Tissue Culture-Treated 6-well Plates.

For a complete list of related products, including specialized cell culture and storage media, matrices, antibodies, cytokines and small molecules, visit www.stemcell.com/hPSCworkflow or contact us at techsupport@stemcell.com.



Copyright © 2016 by STEMCELL Technologies Inc. All rights reserved including graphics and images. STEMCELL Technologies & Design, STEMCELL Shield Design and Scientists Helping Scientists are trademarks of STEMCELL Technologies Canada Inc. Corning and Matrigel are registered trademarks of Corning Inc. TeSR, E8 and mTeSR are trademarks of WARF. Vitronectin XF is developed and manufactured by Primorigen Biosciences Inc., and Vitronectin XF™ is a trademark of Primorigen Biosciences, 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.



Scientists Helping Scientists™ | WWW.STEMCELL.COM DOCUMENT #28045 VERSION 1.0.1 DEC 2016

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

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.