

Human primary Cells from Skin and recommended Culture Media

Skin		
Cell Type	Recommended Expansion Media	Specification
Dermal Microvascular (Mv) Endothelial Cells (ECs), adult (#FC-0039)	Vasculife® VEGF-Mv Medium Complete Kit (#LL-0005)	Vasculife® VEGF-Mv Medium Complete Kit contains recombinant human Vascular Endothelial Growth Factor (rh VEGF), which may affect stimulation assays.
HD-MVECN, Dermal Microvascular (Mv) Endothelial Cells (ECs), neonatal (#FC-0042)	Vasculife® EnGS-Mv Medium Complete Kit (#LL-0004)	Vasculife® EnGS-Mv Medium Complete Kit contains EnGS LifeFactors instead of rh VEGF: <ul style="list-style-type: none"> • Ascorbic Acid LifeFactor – 50 µg/mL • Hydrocortisone Hemisuccinate LifeFactor – 1 µg/mL • FBS LifeFactor – 2% • L-Glutamine LifeFactor – 10 mM • rh EGF LifeFactor – 5 ng/mL • Heparin Sulfate LifeFactor – 0.75 U/mL • EnGS LifeFactor – 0.2%
HEKn, Epidermal Keratinocytes – Neonatal (#FC-0007)	DermaLife® K Medium Complete Kit (#LL-0007)	Serum-free, Medium Kit contains DermaLife Basal Medium (with calcium) and DermaLife K LifeFactors Kit consisting of: <ul style="list-style-type: none"> • rh Insulin LifeFactor - 0.5 mL • L-Glutamine LifeFactor - 15 mL • Epinephrine LifeFactor - 0.5 mL • Apo-Transferrin LifeFactor - 0.5 mL • rh TGF-α LifeFactor - 0.5 mL • Extract P™ LifeFactor - 2 mL • Hydrocortisone Hemisuccinate LifeFactor - 0.5 mL
NHEK, Epidermal Keratinocytes – Adult (#FC-0025)	DermaLife™ K Fully Supplemented (#LM-0027)	Fully supplemented frozen DermaLife® K Medium containing: <ul style="list-style-type: none"> • L-Glutamine - 6 mM • Extract P™ - 0.4% • (-)-Epinephrine-(+)-Bitartrate - 1.0 µM • rh TGF-α - 0.5 ng/mL • Hydrocortisone Hemisuccinate - 100 ng/mL • rh Insulin - 5 µg/mL • Apo-Transferrin - 5 µg/mL
NHEK, Epidermal Keratinocytes, 10-Donor Pool (#FC-0064)	DermaLife K Calcium-Free Medium Complete Kit (#LL-0029)	Serum-free, Calcium-free. Calcium Chloride LifeFactor supplement is included in the kit separately. Serum-free, Medium Kit contains DermaLife Calcium-Free Basal Medium and DermaLife K LifeFactors Kit consisting of: <ul style="list-style-type: none"> • rh Insulin LifeFactor - 0.5 mL • L-Glutamine LifeFactor - 15 mL • Epinephrine LifeFactor - 0.5 mL • Apo-Transferrin LifeFactor - 0.5 mL • rh TGF-α LifeFactor - 0.5 mL • Extract P™ LifeFactor - 2 mL • Hydrocortisone Hemisuccinate LifeFactor - 0.5 mL • Calcium Chloride LifeFactor - 0.5 mL



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Skin		
Cell Type	Recommended Expansion Media	Specification
HDF, Dermal Fibroblasts, neonatal (#FC-0001) ^(1,2,3)	⁽¹⁾ FibroLife® Serum-Free Medium Complete Kit (#LL-0001)	FibroLife® Serum-Free Medium Complete Kit contains FibroLife Serum-Free LifeFactors Kit consisting of: <ul style="list-style-type: none"> • HLL Supplement LifeFactor HSA-500 µg/mL, • Linoleic Acid-0.6 µM, • Lecithin-0.6 µg/mL • rh FGF basic LifeFactor – 5 ng/mL • rh EGF/TGF β 1 LifeFactor – 5 ng/mL, 30 pg/mL • rh Insulin LifeFactor – 5 µg/mL • Ascorbic Acid LifeFactor – 50 µg/mL • L-Glutamine LifeFactor – 7.5 mM • Hydrocortisone Hemisuccinate LifeFactor – 1 µg/mL
Dermal Fibroblasts, neonatal (#5060-1EA) HDF, Dermal Fibroblasts, adult (#FC-0024) ^(1,2,3)	⁽²⁾ FibroLife® S2 Medium Complete Kit (#LL-0011)	Contains 2% FBS. FibroLife® S2 Medium Complete Kit contains FibroLife S2 LifeFactors Kit consisting of: <ul style="list-style-type: none"> • rh FGF basic LifeFactor – 5 ng/mL • rh Insulin LifeFactor – 5 µg/mL • Ascorbic Acid LifeFactor – 50 µg/mL • L-Glutamine LifeFactor – 7.5 mM • Hydrocortisone Hemisuccinate LifeFactor – 1 µg/mL • FBS LifeFactor – 2%
HDFn-XF, Dermal Fibroblasts, neonatal & xeno-free (XF) (#FC-0037) ⁽³⁾	⁽³⁾ FibroLife Xeno-Free Complete Frozen Fibroblast Medium (#LM-0013)	Contains 2% human serum. Fully supplemented frozen FibroLife Xeno-Free Complete Fibroblast Medium contains: <ul style="list-style-type: none"> • L-Glutamine 7.5 mM • rh FGF basic 5 ng/mL • Hydrocortisone Hemisuccinate 1 µg/mL • rh EGF 5 ng/mL • Ascorbic Acid 50 µg/mL • rh TGF-β1 30 pg/mL • Insulin 5 µg/mL • Human Serum 2%
HEMn-HP, Epidermal Melanocytes, highly pigmented (HP), neonatal (#FC-0089) HEMn, Epidermal Melanocytes, neonatal, P1 (#FC-0023) HEMn, Epidermal Melanocytes, neonatal, P2 (#FC-0019)	DermaLife M Melanocyte Medium Complete Kit (#LL-0027)	Recommended for neonatal Human Epidermal Melanocytes. Low-serum, PMA (phorbol myristate acetate)-free, Cholera toxin-free.
HEMA-HP, Epidermal Melanocytes, highly pigmented (HP), adult (#FC-0090) HEMA, Epidermal Melanocytes, adult (#FC-0030)	DermaLife MA Medium Complete Kit (#LL-0039)	Recommended for adult Human Epidermal Melanocytes. <ul style="list-style-type: none"> • Low-serum, PMA (phorbol myristate acetate)-free, Cholera toxin-free.



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