

年度	製品	タイトル	著者	ジャーナル	リンク
2024	VascuLife SMC Comp kit	Atherosclerotic three-layer nanomatrix vascular sheets for high-throughput therapeutic evaluation	J Chen, X Zhang, R Cross Jr, Y Ahn, G Huskin et al.	Biomaterials Volume 305, March 2024, 122450	🔗
2023	HASMC, Vasculife SMC Comp Kit	A Low Concentration of Citreoviridin Prevents Both Intracellular Calcium Deposition in Vascular Smooth Muscle Cell and Osteoclast Activation In Vitro	S Jeong, BS Lee, SE Jung, Y Yoon, BW Song, IK Kim et al.	Molecules 2023, 28(4), 1693	🔗
2023	HCASMC	Genetic Deletion of FXR1 Reduces Intimal Hyperplasia and Induces Senescence in Vascular Smooth Muscde Cells	CB Corbett, A St Paul, T Leigh, SE Kelemen et al.	American Journal of Pathology Volume 193, Issue 5, May 2023, Pages 638-653	🔗
2023	HASMC	Atherogenic Activation of Human Vascular Smooth Muscle Cells by Monosodium Urate Crystals	R Liu-Bryan, T Guo, J Lee, R Terkeltaub et al.	Gout Urate Cryst. Depos. Dis. 2023, 1(3), 192-207	🔗
2023	VascuLife SMC Comp kit, FibroLife S2	Cell Line-Based Human Bladder Organoids with Bladder-like Self-Organization—A New Standardized Approach in Bladder Cancer Research	M Berndt-Paetz, S Han, A Weimann, A Reinhold et al.	Biomedicines 2023, 11(11), 2958	🔗
2023	HASMC	A proteome-wide screen identifies the calcium binding proteins, S100A8/S100A9, as clinically relevant therapeutic targets in aortic dissection	H Jiang, Y Zhao, M Su, L Sun, M Chen, Z Zhang, I Ilyas et al.	Pharmacological Research Volume 199, January 2024, 107029	🔗
2023	HCAEC, HCASMC, VascuLife EnGS Comp kit, VascuLife SMC Comp kit	Fine-Tuning the Nanostructured Titanium Oxide Surface for Selective Biological Response	N Rawat, M Benčina, D Paul, J Kovač, K Lakota et al.	ACS Appl. Bio Mater. 2023, 6, 12, 5481–5492	🔗
2022	VascuLife SMC Comp kit	Bis-Boronic Acid Liposomes for Carbohydrate Recognition and Cellular Delivery	ML Qualls, H Hagewood, J Lou, SI Mattern-Schain et al.	ChemBioChem Volume23, Issue21 November 4, 2022 e202200402	🔗
2022	HCASMC, VascuLife SMC Comp kit	Glucose consumption of vascular cell types in culture: toward optimization of experimental conditions	Keiichi Torimoto, Keisuke Okuno, Ryohei Kuroda, No'Ad Shanas, Stephanie M Cicalese, Kunie Eguchi, Katherine J Elliott, Tatsuo Kawai, Cali B Corbett, Amanda M Peluzzo, et al.	Am J Physiol Cell Physiol. 2022 Jan 1;322(1):C73-C85.	🔗
2021	HCASMC, Vasculife SMC Comp Kit	Acid ceramidase promotes senescent cell survival	Rachel Munk, Carlos Anerillas, Martina Rossi, Dimitrios Tsitsipatis, Jennifer L Martindale et al.	Aging (Albany NY). 2021 Jun 8;13(12):15750-15769.	🔗
2021	HPAEC, HPASMC	Endothelial Cell-Derived SO2 Controls Endothelial Cell Inflammation, Smooth Muscle Cell Proliferation, and Collagen Synthesis to Inhibit Hypoxic Pulmonary Vascular Remodelling	Xin Liu, Shangyue Zhang, Xiuli Wang, Yuanyuan Wang, Jingyuan Song, Chufan Sun, Guozhen Chen, Guosheng Yang, Yinghong Tao, Yongyan Hu, Dingfang Bu, Yaqian Huang. et al.	Oxidative Medicine and Cellular Longevity Volume 2021, Article ID 5577634, 14 pages	🔗
2020	HCASMC	Molecular mechanisms of coronary disease revealed using quantitative trait loci for TCF21 binding, chromatin accessibility, and chromosomal looping	Quanyi Zhao , Michael Dacre , Trieu Nguyen , Milos Pjanic , Boxiang Liu , Dharini Iyer , Paul Cheng , Robert Wirka , Juyong Brian Kim , Hunter B Fraser , Thomas Quertermous	Genome Biol. 2020 Jun 8;21(1):135.	🔗
2020	human bronchial/tracheal SMC	Phellodendron amurense Extract Protects Human Keratinocytes from PM2.5-Induced Inflammation via PAR-2 Signaling	Jiyoung Choi , Mi Yeon Moon , Gi Yeon Han , Moon Sik Chang , Dongki Yang , Joonseok Cha	Biomolecules. 2020 Dec 28;11(1):23.	🔗
2019	Vasculife SMC Comp Kit	LRP1 Promotes Synthetic Phenotype of Pulmonary Artery Smooth Muscle Cells in Pulmonary Hypertension	Marius M Zucker , Lukasz Wujak , Anna Gungl , Miroslava Didiasova , Djuro Kosanovic , Aleksandar Petrovic , Walter Klepetko , Ralph T Schermuly , Grazyna Kwapiszewska , Liliana Schaefer , Malgorzata Wygrecka	Biochim Biophys Acta Mol Basis Dis. 2019 Jun 1;1865(6):1604-1616.	🔗
2019	human bladder SMC, VascuLife SMC Comp kit	Targetable Purinergic Receptors P2Y12 and A2b Antagonistically Regulate Bladder Function	Yuan Hao , Lu Wang, Huan Chen , Warren G Hill, Simon C Robson , Mark L Zeidel , Weiqun Yu	JCI Insight. 2019 Aug 22;4(16):e122112.	🔗
2018	HASMC	Integrated DNA Methylation and Gene Expression Analysis Identifies SLAMF7 as a Key Regulator of Atherosclerosis	Zhangyong Xia, Mingliang Gu , Xiaodong Jia , Xiaoting Wang , Chunxia Wu , Jiangwen Guo , Liyong Zhang , Yifeng Du , Jiye Wang	Aging (Albany NY) 2018 Jun 13;10(6):1324-1337.	🔗
2018	HCASMC	Neuregulin-1 Promotes Myocardial Angiogenesis in the Rat Model of Diabetic Cardiomyopathy	Chun Gui , Zhi-Yu Zeng , Qi Chen , Ya-Wei Luo , Lang Li, Lin-Lin Chen	Cell Physiol Biochem. 2018;46(6):2325-2334.	🔗
2017	HCASMC, VascuLife SMC Comp kit	Cellular Self-Assembly with Microsphere Incorporation for Growth Factor Delivery Within Engineered Vascular Tissue Rings	Strobel HA, Dikina AD, Levi K, Solorio LD, Alsberg E, Rolle MW	Tissue Eng Part A.2017 Feb;23(3-4):143-155	🔗
2017	VascuLife SMC Comp kit	Tumour necrosis factor-alpha in uraemic serum promotes osteoblastic transition and calcification of vascular smooth muscle cells via extracellular signal-regulated kinases and activator protein 1/c-FOS-mediated induction of interleukin 6 expression	Zickler D, Luecht C, Willy K, Chen L, Witowski J, Girndt M, Fiedler R, Storr M, Kamhieh-Milz J, Schoon J, Geissler S, Ringden O, Schindler R, Moll G, Dragun D, Catar R	Nephrol Dial Transplant. 2017 Dec 8	🔗
2016	HASMC, VascuLife BM	Endothelial Cells Can Regulate Smooth Muscle Cells in Contractile Phenotype through the miR-206/ARF6&NCX1/Exosome Axis	Lin X, He Y, Hou X, Zhang Z, Wang R, Wu Q	PLoS One. 2016 Mar 31;11(3):e0152959	🔗
2016	Vascular SMC, VascuLife SMC Comp kit	High cut-off dialysis in chronic haemodialysis patients reduces serum procalcific activity	Zickler D, Willy K, Girndt M, Fiedler R, Martus P, Storr M, Schindler R	Nephrol Dial Transplant. 2016 Oct;31(10):1706-12	🔗
2016	HCAEC, HCASMC, VascuLife VEGF Como kit, VascuLife SMC Comp kit	Role of Myoendothelial Gap Junctions in the Regulation of Human Coronary Artery Smooth Muscle Cell Differentiation by Laminar Shear Stress	Zhang Z, Chen Y, Zhang T, Guo L, Yang W, Zhang J, Wang C	Cell Physiol Biochem.2016;39(2):423-37	🔗
2016	HASMC, Vasculife SMC Comp Kit	Smooth Muscle Cell-targeted RNA Aptamer Inhibits Neointimal Formation	William H Thiel , Carla L Esposito , David D Dickey , Justin P Dassie , Matthew E Long , Joshua Adam et al.	Mol Ther. 2016 Apr;24(4):779-87.	🔗
2015	Vascular SMC, VascuLife SMC Comp kit	Effect of oxidized low-density lipoprotein on the expression of the prorenin receptor in human aortic smooth muscle cells	Cheng Y, Liu X, Zhang L, Zhang Y, Liu Y, Lu Y, Jiang Y	Mol Med Rep. 2015 Jun;11(6):4341-4	🔗
2015	human bladder SMC	Expression of heat shock protein 27 correlates with actin cytoskeletal dynamics and contractility of cultured human bladder smooth muscle cells	Wang Y, Xiong Z, Gong W, Zhou P, Xie Q, Zhou Z, Lu G	Exp Cell Res. 2015 Oct 15;338(1):39-44	🔗
2015	human bronchial/tracheal SMC	Molecular Characterization and Functional Analysis of Annulate Lamellae Pore Complexes in Nuclear Transport in Mammalian Cells	Raghunayakula S, Subramonien D, Dasso M, Kumar R, Zhang XD	PLoS One.2015 Dec 7;10(12):e0144508	🔗
2015	human uterine SMC	Prolonged pregnancy in women is associated with attenuated myometrial expression of progesterone receptor co-regulator Krüppel-like Factor 9	Pabona JM, Zhang D, Ginsburg DS, Simmen FA, Simmen RC	J Clin Endocrinol Metab. 2015 Jan;100(1):166-74	🔗
2014	HASMC, VascuLife SMC	MRTF-A steers an epigenetic complex to activate endothelin-induced pro-inflammatory transcription in vascular smooth muscle cells	Yuyu Yang, Xian Cheng, Wenfang Tian, et al	Nucleic Acids Res. Sep 15, 2014; 42(16): 10460–10472	🔗
2014	HASMC	Gene silencing in human aortic smooth muscle cells induced by PEI-siRNA complexes released from dip-coated electrospun poly(ethylene terephthalate) grafts	Nabzdyk CS, Chun MC, Oliver-Allen HS, Pathan SG, Phaneuf MD, You JO, Pradhan-Nabzdyk LK, LoGerfo FW	Biomaterials. 2014 Mar;35(9):3071-9	🔗
2014	VascuLife SMC Comp kit	Liposomal nanoparticles encapsulating iloprost exhibit enhanced vasodilation in pulmonary arteries	Jain PP, Leber R, Nagaraj C, Leitinger G, Lehofer B, Olschewski H, Olschewski A, Prassl R, Marsh LM	Int J Nanomedicine. 2014 Jul 7;9:3249-61	🔗
2014	Vascular SMC	Resveratrol induces vascular smooth muscle cell differentiation through stimulation of SirT1 and AMPK	Thompson AM, Martin KA, Rzcudilo EM	PLoS One. 2014 Jan 8;9(1):e85495	🔗
2013	VascuLife SMC	PECAM1+ /Scal+ /CD38+ Vascular Cells Transform into Myofibroblast-Like Cells in Skin Wound Repair	Julia Etich, Vera Bergmeier, Christian Frie, Sandra Kreft, Lena Bengesträte, Sabine Eming, Cornelia Mauch, Beate Eckes, Hikmet Ulus, Frances E. Lund, Gunter Rapp, Hinrich Abken, Mats Paulsson, Bent Brachvogel	PLoS One. 2013; 8(1) e53262	🔗
2013	VascuLife SMC Comp Kit	Urokinase Receptor Counteracts Vascular Smooth Muscle Cell Functional Changes Induced by Surface Topography	Yulia Kiyan, Kestutis Kurselis, Roman Kiyan, Hermann Haller, Boris N. Chichkov, Inna Dumler	Theranostics. 2013; 3(7): 516–526	🔗
2012	HAEC, HASMC, VascuLife EnGS Comp Kit, VascuLife SMC Comp Kit	Concurrent Dual Contrast for Cellular Magnetic Resonance Imaging Using Gadolinium Oxide and Iron Oxide Nanoparticles	Yasir Loai, Tameshwar Ganesh, Hai-Ling Margaret Cheng	Int J Mol Imaging. 2012; 2012: 230942	🔗
2012	HASMC	Smooth muscle cell polymeric transfection is an efficient alternative to traditional methods of experimental gene therapy	Arnold JD, Mountain DJ, Freeman MB, Kirkpatrick SS, Stevens SL, Goldman MH, Grandas OH	J Surg Res. 2012 Sep;177(1):178-84	🔗
2012	Vasculife SMC Comp Kit	Docosahexaenoic acid-induced unfolded protein response, cell cycle arrest, and apoptosis in vascular smooth muscle cells are triggered by Ca ²⁺ -dependent induction of oxidative stress	Crnkovic S, Riederer M, Lechleitner M, Hallström S, Malli R, Graier WF, Lindenmann J, Popper H, Olschewski H, Olschewski A, Frank S	Free Radic Biol Med. 2012 May 1;52(9):1786-95.	🔗
2012	HAEC, HASMC, VascuLife EnGS Comp Kit, VascuLife SMC Comp Kit	Concurrent Dual Contrast for Cellular Magnetic Resonance Imaging Using Gadolinium Oxide and Iron Oxide Nanoparticles	Yasir Loai , Tameshwar Ganesh, Hai-Ling Margaret Cheng	Int J Mol Imaging. 2012:2012:230942.	🔗
2011	HASMC, Vasculife SMC Comp Kit	Distinct Transcriptional Regulation of Human Large Conductance Voltage- and Calcium-activated K+ Channel Gene (hSlo1) by Activated Estrogen Receptor α and c-Src Tyrosine Kinase	Shahab M. Danesh, Pallob Kundu, Rong Lu, Enrico Stefani, Ligia Toro	Biol Chem. 2011 September 9; 286(36): 31064–31071	🔗
2011	Vasculife SMC Comp Kit	Thrombospondin-2 gene silencing in human aortic smooth muscle cells improves cell attachment	Yoshida S, Nabzdyk CS, Pradhan L, LoGerfo FW	J Am Coll Surg. 2011 Nov;213(5):668-76	🔗
2011	Vasculife SMC Comp Kit	High throughput RNAi assay optimization using adherent cell cytometry	Nabzdyk CS, Chun M, Pradhan L, Logerfo FW	J Transl Med. 2011 Apr 25;9:48	🔗

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