

年度	製品	タイトル	著者	ジャーナル	リンク
2024	HBTEC	Antigen stasis and airway nitrosative stress in human primary ciliary dyskinesia	B Gaston, L Smith, MD Davis, J Saunders, I Daniels, et al.	Am J Physiol Lung Cell Mol Physiol 326: L468-L476, 2024	🔗
2024	BronchiaLife Comp kit	P. aeruginosa tRNA-fMet halves secreted in outer membrane vesicles suppress lung inflammation in Cystic Fibrosis	Z Li, R Barnaby, A Nyman, C Roche, K Koeppen, et al.	bioRxiv preprint doi: https://doi.org/10.1101/2024.02.03.578737 ; this version posted February 3, 2024	🔗
2024	HSAEC, HBTEC	Structure-Function Relationships Of Mucociliary Clearance In Human Airways	A Ryan, D Roth, AT Sahin, F Ling, C Senger, E Quiroz, et al.	Research Square. Posted Date: April 25th, 2024, DOI: https://doi.org/10.21203/rs.3.rs-4164522/v1	🔗
2024	BronchiaLife Comp kit	Pseudomonas aeruginosa Lipid A Structural Variants Induce Altered Immune Responses	CE Hofstaedter, IP O'Keefe, CM Met, L Wu, et al.	Am J Respir Cell Mol Biol. 2024 Apr 24	🔗
2024	HBTEC	Airway epithelial overexpressed cathepsin K induces airway remodelling through epithelial-mesenchymal trophic unit activation in asthma	L Qin, Y Yao, W Wang, Q Qin, J Liu, H Liu, L Yuan, et al.	British Journal of Pharmacology First published: 09 June 2024	🔗
2024	HSAEC, BronchiaLife Comp kit	DNA of neutrophil extracellular traps promote NF-κB-dependent autoimmunity via cGAS/TLR9 in chronic obstructive pulmonary disease	J Chen, T Wang, X Li, L Gao, K Wang, M Cheng, et al.	Signal Transduction and Targeted Therapy volume 9, Article number: 163 (2024)	🔗
2023	BronchiaLife Comp kit	Cattle farm dust alters cytokine levels in human airway construct model	MV Martikainen, K Huttunen, T Tossavainen, et al.	Toxicology in Vitro Volume 88, April 2023, 105559	🔗
2023	BronchiaLife Comp kit	The dependence of particle size on cell toxicity for modern mining dust	YH Chen, D Nguyen, S Brindley, T Ma, T Xia, J Brune, et al.	Scientific Reports volume 13, Article number: 5101 (2023)	🔗
2023	HBTEC-ALI Differentiation media	The Isolation and In Vitro Differentiation of Primary Fetal Baboon Tracheal Epithelial Cells for the Study of SARS-CoV-2 Host-Virus Interactions	B Subramanyan, S Gurung, M Bodas, AR Moore, et al.	Viruses 2023, 15(4), 862	🔗
2023	HSAEC, HBTEC	Defining Volatile Organic Compound Signatures of Airway Epithelial Cells After Environmental Exposures	A Linderholm, K Aribindi, E Borras, K Hamera, et al.	American Journal of Respiratory and Critical Care Medicine 2023;207:A5717	🔗
2023	HBTEC, BronchiaLife Comp kit	Purification and characterization of a serine protease from organic dust and elucidation of its inductive effects on lung inflammatory mediators	S Kusampudi, V Meganathan, S Keshava, V Boggaram	Am J Physiol Lung Cell Mol Physiol 325: L74-L90, 2023.	🔗
2023	BronchiaLife Comp kit	An rRNA fragment in extracellular vesicles secreted by human airway epithelial cells increases the fluoroquinolone sensitivity of P. aeruginosa	K Koeppen, TH Hampton, R Barnaby, C Roche, et al.	Am J Physiol Lung Cell Mol Physiol. 2023 Jul 1; 325(1): L54-L65	🔗
2023	BronchiaLife Comp kit	An ATR-PrimPol pathway confers tolerance to oncogenic KRAS-induced and heterochromatin-associated replication stress	Taichi Igarashi, Marianne Mazevet, Takaaki Yasuhara, Kimiyoshi Yano, Akifumi Mochizuki, Makoto Nishino, Tatsuya Yoshida, Yukihiro Yoshida, Nobuhiko Takamatsu, Akihide Yoshimi, Kouya Shiraishi, Hidehito Horinouchi, Takashi Kohno, Ryuji Hamamoto, Jun Adachi, Lee Zou & Bunyo Shiotani	Nature Communications volume 14, Article number: 4991 (2023)	🔗
2023	HBTEC, BronchiaLife Comp kit	Severe pneumonia and pathogenic damage in human airway epithelium caused by Coxsackievirus B4	J Dai, D Xu, C Yang, H Wang, D Chen, Z Lin, S Qiu, et al.	Emerging Microbes & Infections 2023, VOL. 12, 2261560	🔗
2023	HSAEC	Role of succinate in airway epithelial cell regulation following traumatic lung injury	MV Suresh, S Aktay, G Yalamanchili, S Solanki, et al.	JCI Insight. 2023;8(18):e166860	🔗
2023	HLBE (Lobar bronchial epithelial cells), BronchiaLife Comp kit	Prolonged particulate hexavalent chromium exposure induces RAD51 foci inhibition and cytoplasmic accumulation in immortalized and primary human lung bronchial epithelial cells	I Meaza, AR Williams, H Lu, JC Kouokam, JH Toyoda, et al.	Toxicology and Applied Pharmacology Volume 479, 15 November 2023, 116711	🔗
2023	HBTEC	Antiviral Activity of Probenecid and Oseltamivir on Influenza Virus Replication	J Murray, DE Martin, FD Sancilio, RA Tripp, et al.	Viruses 2023, 15(12), 2366	🔗
2023	BronchiaLife Comp kit	Extracellular vesicles secreted by primary human bronchial epithelial cells reduce Pseudomonas aeruginosa burden and inflammation in Cystic Fibrosis mouse lung	S Sarkar, R Barnaby, AB Nyman, DJ Taatjes, TJ Kelley, et al.	Am J Physiol Lung Cell Mol Physiol 326: L164-L174, 2024	🔗
2022	HSAEC, BronchiaLife Comp kit	Particulate arsenic trioxide induces higher DNA damage and reactive oxygen species than soluble arsenite in lung epithelial cells	Karen L Cooper, Rui Liu, Xixi Zhou	Toxicol Appl Pharmacol. 2022 Dec 15:457:116320.	🔗
2022	HBTEC, BronchiaLife Comp kit, ALI Differentiation medium	Predicting clinical outcomes of SARS-CoV-2 drug treatments with a high throughput human airway on chip platform	Christine R. Fisher, Felix Mba Medie, Rebeccah J. Liu, Landys Lopez Quezada, Robert B. Gabler, Thomas J. Mulhern, Logan D. Rubio, Elizabeth E. Marr, Elizabeth P. Gabriel, Jeffrey T. Borenstein, Ashley L. Gard	bioRxiv preprint doi: https://doi.org/10.1101/2022.06.07.495101 ; this version posted June 7, 2022	🔗
2022	NHBE, BronchiaLife Comp kit	NADPH and xanthine oxidases control induction of inflammatory mediator expression by organic dust in the lung	Velmurugan Meganathan, Cory E. Hamilton, Kartiga Natarajan, Shiva Keshava, Vijay Boggaram	FASEB J. volume 36, Issue 7 Jul 2022: e222381	🔗
2022	HBTEC, BronchiaLife Comp kit	Orally efficacious lead of the AVG inhibitor series targeting a dynamic interface in the respiratory syncytial virus polymerase	J Sourimant et al.	Sci Adv. 2022 Jun 24;8(25):eab02236.	🔗
2022	BronchiaLife Comp kit	Integrated Genomics Approaches Identify Transcriptional Mediators and Epigenetic Responses to Afghan Desert Particulate Matter in Small Airway Epithelial Cells	A Gupta, SK Sasse, R Berman, MA Gruca, et al.	Physiological Genomics Volume 54 Issue 10 October 2022 Pages 389-401	🔗
2022	HSAEC	Particulate arsenic trioxide induces higher DNA damage and reactive oxygen species than soluble arsenite in lung epithelial cells	Karen L. Cooper, Rui Liu, Xixi Zhou	Toxicology and Applied Pharmacology Volume 457, 15 December 2022, 116320	🔗
2022	BronchiaLife Comp kit	S-Nitrosoglutathione Reduces the Density of Staphylococcus aureus Biofilms Established on Human Airway Epithelial Cells	A Wolf, M Tabasi, M Zacharek, G Martin, et al.	ACS Omega 2023, 8, 1, 846-856	🔗
2021	HBTEC	A small molecule compound with an indole moiety inhibits the main protease of SARS-CoV-2 and blocks virus replication	Shin-Ichiro Hattori, Nobuyo Higashii-Kuwata, Hironori Hayashi, Srinivasa Rao Allu, Jakka Raghavaiah, Haydar Bulut, Debananda Das, Brandon J Anson, Emma K Lendy, Yuki Takamatsu, Nobutoki Takamune, Naoki Kishimoto, Kazutaka Murayama, Kazuya Hasegawa, Mi Li, David A Davis, Eiichi N Kodama, Robert Yarchoan, Alexander Wlodawer, Shogo Misumi, Andrew D Mesecar, Arun K Ghosh, Hiroaki Mitsuya	Nat Commun. 2021 Jan 28;12(1):668.	🔗
2021	HSAEC, BronchiaLife Comp kit	Broad auto-reactive IgM responses are common in critically ill patients, including those with COVID-19	Andrew Kam Ho Wong, Isaac Woodhouse, Frank Schneider, Deanna A Kulpa, Guido Silvestri, Cheryl L Maier	Cell Rep Med. 2021 Jun 15;2(6):100321.	🔗
2021	BronchiaLife Comp kit, ALI Differentiation medium	Cigarette Smoke Activates NOTCH3 to Promote Goblet Cell Differentiation in Human Airway Epithelial Cells	Manish Bodas, Andrew R Moore, Bharathiraja Subramanyan, Constantine Georgescu, Jonathan D Wren, Willard M Freeman, Brent R Brown, Jordan P Metcalf, Matthew S Walters	Am J Respir Cell Mol Biol. 2021 Apr;64(4):426-440.	🔗
2021	HBTEC, BronchiaLife Comp kit, ALI Differentiation medium	High-Throughput Human Primary Cell-Based Airway Model for Evaluating Influenza, Coronavirus, or other Respiratory Viruses in vitro	A L Gard, R J Luu, C R Miller, R Maloney, B P Cain, E E Marr, D M Burns, R Gaibler, T J Mulhern, C A Wong, J Alladina, J R Coppeta, P Liu, J P Wang, H Azizzolshan, R Fennell Fezzie, J L Balestrieri, B C Isenberg, B D Medoff, R W Finberg, J T	Sci Rep. 2021 Jul 22;11(1):14961.	🔗
2021	ALI Differentiation medium	Invited review: human air-liquid-interface organotypic airway tissue models derived from primary tracheobronchial epithelial cells—overview and perspectives	Xuefei Cao, Jayme P Coyle, Rui Xiong, Yiyang Wang, Robert H Hefflich, Baiping Ren, William M Gwin, Patrick Hayden, Liying Rojanasakul	In Vitro Cell Dev Biol Anim. 2021 Feb;57(2):104-132.	🔗
2021	HBTEC, BronchiaLife Comp kit,	Promoter-specific changes in initiation, elongation, and homeostasis of histone H3 acetylation during CBP/p300 inhibition	Emily Hsu, Nathan R Zemke, Arnold J Berk	Elife. 2021 Mar 11:10:e63512.	🔗
2020	HSAEC, BronchiaLife Comp kit	Broad Auto-Reactive IgM Responses Are Common In Critically Ill COVID-19 Patients	Cheryl Maier, Andrew Wong, Isaac Woodhouse, Frank Schneider, Deanna Kulpa, Guido Silvestri	Res Sq [Preprint]. 2020 Dec 31:rs.3.rs-128348.	🔗
2020	HSAEC	Effects of Mesenchymal Stem Cell Coculture on Human Lung Small Airway Epithelial Cells	Eva Schmelzer, Vitale Miceli, Cinzia Maria Chinnici, Alessandro Bertani, Jörg C Gerlach	Biomed Res Int. 2020 Mar 27:2020:9847579.	🔗
2020	BronchiaLife Comp kit, ALI Differentiation medium	Interleukin-22 inhibits r Interleukin-22 inhibits respiratory syncytial virus pr y syncytial virus production b oduction by blocking virus-mediated subversion of cellular autophagy	Sudipta Das, Claudette St Croix, Misty Good, Jie Chen, Jimming Zhao, Sanmei Hu, Mark Ross, Michael M Myerburg, Joseph M Pilewski, John Williams, Sally E Wenzel, Jay K Kolls, Anuradha Ray, Prabir Ray	iScience. 2020 Jul 24;23(7):101256.	🔗
2020	HBTEC, BronchiaLife Comp kit,	Local Effects of Two Intravenous Formulations of Pulmonary Vasodilators on Airway Epithelium	Bradley A Kuch, Rosalie Linssen, Hiroki Yoshikawa, Craig D Smallwood, Michael D Davis	Respir Care. 2020 Oct;65(10):1427-1432.	🔗
2019	HBTEC, BronchiaLife Comp kit,	Characterization of Orally Efficacious Influenza Drug with High Resistance Barrier in Ferrets and Human Airway Epithelia	Mart Toots, Jeong-Joong Yoon, Robert M Cox, Michael Hart, Zachary M Sticher, Negar Makhsoos, Roland Plesker, Alec H Barrena, Prabhakar G Reddy, Deborah G Mitchell, Ryan C Shean, Gregory R Bluemling, Alexander A Kolykhakov, Alexander L Greninger, Michael G Natchus, George R Painter, Richard K Plempner	Sci Transl Med. 2019 Oct 23;11(515):eaax5866.	🔗
2019	HSAEC, BronchiaLife Comp kit	Cigarette Smoke Extract Alters Genome-Wide Profiles of Circular RNAs and mRNAs in Primary Human Small Airway Epithelial Cells	Ni Zeng, Tao Wang, Mei Chen, Zhicheng Yuan, Jianguye Qin, Yanqiu Wu, Lijuan Gao, Yongchun Shen, Lei Chen, Fuqiang Wen	J Cell Mol Med. 2019 Aug;23(8):5532-5541.	🔗
2019	HBTEC	ITGB4 Deficiency Induces Senescence of Airway Epithelial Cells Through p53 Activation	Lin Yuan, Xizi Du, Sha Tang, Shuangyan Wu, Leyuan Wang, Yang Xiang, Xiangping Qu, Huijun Liu, Xiaoqun Qin, Chi Liu	FEBS J. 2019 Mar;286(6):1191-1203.	🔗
2018	HBTEC, BronchiaLife Comp kit,	Wild-type human coronaviruses prefer cell-surface TMPRSS2 to endosomal cathepsins for cell entry	Shirato K, Kawase M, Matsuyama S	Virology. 2018 Apr;517:9-15	🔗
2018	HBTEC, BronchiaLife Comp kit	Adenovirus E1A Activation Domain Regulates H3 Acetylation Affecting Varied Steps in Transcription at Different Viral Promoters	Emily Hsu, Mario A Pennella, Nathan R Zemke, Carol Eng, Arnold J Berk	J Virol. 2018 Aug 29;92(18):e00805-18.	🔗
2017	HBTEC, BronchiaLife Comp kit,	Crystal Structure of the Receptor Binding Domain of the Spike Glycoprotein of Human BetaCoronavirus HKU1	Xiuyuan Ou, Hongxin Guan, Bo Qin, Zhixia Mu, Justyna A Wojdyla, Meitian Wang, Samuel R Dominguez, Zhaohui Qian, Sheng Cui	Nat Commun. 2017 May 23:8:15216.	🔗
2017	HBTEC	Mashiningan Improves Opioid-Induced Constipation in Rats by Activating Cystic Fibrosis Transmembrane Conductance Regulator Chloride Channel	Yumi Harada, Seiichi Iizuka, Yayoi Saegusa, Sachiko Mogami, Naoki Fujitsuka, Tomohisa Hattori	J Pharmacol Exp Ther. 2017 Jul;362(1):78-84.	🔗
2017	HSAEC, BronchiaLife Comp kit	Transgene Expression and Host Cell Responses to Replication-Defective, Single-Cycle, and Replication-Competent Adenovirus Vectors	Catherine M Crosby, Michael A Barry	Genes (Basel). 2017 Feb 18;8(2):79.	🔗
2016	Airway&Lung Epithelial Cells and BronchiaLife Medium	The tobacco-specific carcinogen-operated calcium channel promotes lung tumorigenesis via IGF2 exocytosis in lung epithelial cells	Boo HJ, Min HY, Jang HJ, Yun HJ, Smith JK, Jin Q, Lee HJ, Liu D, Kweon HS, Behrens C, Lee JJ, Wistuba II, Lee E, Hong WK, Lee HY	Nat Commun. 2016 Sep 26;7:12961	🔗
2016	HBTEC, ALI Differentiation medium	Clinical Isolates of Human Coronavirus 229E Bypass the Endosome for Cell Entry	Kazuya Shirato, Kazuhiko Kanou, Miyuki Kawase, Shutoku Matsuyama	J Virol. 2016 Dec 16;91(1):e01387-16.	🔗
2016	HBTEC	p-Coumaric acid, a novel and effective biomarker for quantifying hypoxic stress by HILIC-ESI-MS	Yuliya E Silina, Claudia Fink-Straube, Rainer G Hanselmann, Henrike Peuschel, Dietrich A Volmer	J Chromatogr B Analyt Technol Biomed Life Sci. 2016 May 1:1020:6-13.	🔗
2015	BronchiaLife B/T Comp Kit	15-Hydroxyprostaglandin Dehydrogenase Generation of Electrophilic Lipid Signaling Mediators from Hydroxy-Ω-3 Fatty Acids	Stacy Gelhaus Wendell, Franca Golin-Bisello, Sally Wenzel, Robert W Sobol, Fernando Holguin, Bruce A Freeman	J Biol Chem. 2015 Feb 27;290(9):5868-80.	🔗

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2015	BronchiaLife B/T Comp Kit	Bacillus Anthracis Spores Germinate Extracellularly at Air-Liquid interface in an In Vitro Lung Model Under Serum-Free Conditions	J D Powell , J R Hutchison , B M Hess , T M Straub	J Appl Microbiol. 2015 Sep;119(3):711-23.	🔗
2015	HBTEC, BronchiaLife B/T Comp Kit	Identification of the Receptor- Binding Domain of the Spike Glycoprotein of Human Betacoronavirus HKU1	Zhaohui Qian , Xiuyuan Ou , Luiz Gustavo Bentim Góes , Christina Osborne , Anna Castano , Kathryn V Holmes , Samuel R Dominguez	J Virol. 2015 Sep;89(17):8816-27.	🔗
2015	HBTEC	Interferon Lambda Upregulates IDO1 Expression in Respiratory Epithelial Cells After Influenza Virus Infection	Julie M Fox , Jackelyn M Crabtree , Leo K Sage , S Mark Tompkins , Ralph A Tripp	J Interferon Cytokine Res. 2015 Jul;35(7):554-62.	🔗
2015	HBTEC	TRIM32 Sense and Restricts Influenza A Virus by Ubiquitination of PB1 Polymerase	Bishi Fu , Lingyan Wang , Hao Ding , Jens C Schwamborn , Shitao Li , Martin E Dorf	PLoS Pathog. 2015 Jun 9;11(6):e1004960.	🔗
2014	HBTEC, BronchiaLife B/T Comp Kit	A strategically designed small molecule attacks alpha-ketoglutarate dehydrogenase in tumor cells through a redox process	Stuart SD, Schauble A, Gupta S, Kennedy AD, Keppler BR, Bingham PM1, Zachar Z	Cancer Metab. 2014 Mar 10;2(1):4	🔗
2014	HBTEC, BronchiaLife B/T Comp Kit	Isolation, propagation, genome analysis and epidemiology of HKU1 betacoronaviruses	Dominguez SR1, Shrivastava S, Berglund A, Qian Z, Góes LG, Halpin RA, Fedorova N, Ransier A, Weston PA, Durigon EL, Jerez JA, Robinson CC, Town CD, Holmes KV	J Gen Virol. 2014 Apr;95(Pt 4):836-48	🔗
2014	HSAEC, BronchiaLife SAE Comp Kit	IIIa Deleted Adenovirus as a Single-Cycle Genome Replication Vector	Catherine M Crosby , Michael A Barry	Virology. 2014 Aug;462-463:158-65.	🔗
2014	BronchiaLife B/T Comp Kit	Secretion of IL-16 Through TNFR1 and Calpain-Caspase Signaling Contributes to MRSA Pneumonia	D S Ahn , D Parker , P J Planet , P A Nieto , S M Bueno , A Prince	Mucosal Immunol. 2014 Nov;7(6):1366-74.	🔗
2013	HBTEC, BronchiaLife B/T Comp Kit	Antiviral Responses by Swine Primary Bronchoepithelial Cells Are Limited Compared to Human Bronchoepithelial Cells Following Influenza Virus Infection	Mary J. Hauser, Daniel Dlugolenski, Marie R. Culhane, David E. Wentworth, S. Mark Tompkins, and Ralph A. Tripp	PLoS One. 2013; 8(7): e70251	🔗
2013	HTBEC	Human Coronavirus HKU1 Infection of Primary Human Type II Alveolar Epithelial Cells: Cytopathic Effects and Innate Immune Response	Samuel R. Dominguez, Emily A. Travanty, Zhaohui Qian, and Robert J. Mason	PLoS One. 2013; 8(7): e70129	🔗
2013	Lung Fibroblast, FibroLife Media	A Novel Source of Cultured Podocytes	Stefano Da Sacco, Kevin V. Lemley, Sargis Sedrakyan, Ilenia Zanusso, Astgik Petrosyan, Janos Peti-Peterdi, James Burford, Roger E. De Filippo, and Laura Perin	PLoS One. 2013; 8(12): e81812	🔗
2013	HBTEC, BronchiaLife B/T Comp Kit	USP8 is a novel target for overcoming gefitinib resistance in lung cancer	Byun S1, Lee SY, Lee J, et al	Clin Cancer Res. 2013 Jul 15;19(14):3894-904	🔗
2013	Lobal Epithelial Cells, BronchiaLife B/T Comp Kit	Regulation of CYP3A genes by glucocorticoids in human lung cells	Roberts JK, Moore CD, Romero EG, Ward RM, Yost GS, Reilly CA	Version 2. F1000Res. 2013 Aug 13	🔗
2012	HBTEC	Studying mucin secretion from human bronchial epithelial cell primary cultures	Abdullah LH, Wolber C, Kesimer M, Sheehan JK, Davis CW	Methods Mol Biol. 2012;842:259-77	🔗
2012	tracheal/bronchial lung cells	ROCK Inhibitor and Feeder Cells Induce the Conditional Reprogramming of Epithelial Cells	Xuefeng Liu, Virginie Ory, Sandra Chapman, et al	The American Journal of Pathology, Vol. 180, No. 2	🔗
2012	HSAEC, BronchiaLife SAE Comp Kit	Hyperoxia-induced activation of the integrated stress response in the newborn rat lung	Konsavage WM1, Zhang L, Wu Y, Shenberger JS	Am J Physiol Lung Cell Mol Physiol. 2012 Jan 1;302(1):L27-35	🔗

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