

ラボサイト 角膜モデルに関する学術論文をご案内いたします。

■ 2023

タイトル	Predicting the Safety of Ocular Iontophoresis Using Reconstructed Human Corneal Epithelial Cells
著者 (所属)	Hikima T, Ezaki H (Kyushu Institute of Technology)
雑誌名	Biological and Pharmaceutical Bulletin

タイトル	A Novel Riboflavin Formulation for Corneal Delivery Without Damaging Epithelial Cells
著者 (所属)	Yamagata Y <sup>1</sup> , Ide T <sup>2</sup> ( <sup>1</sup> MEDRx Co. Ltd., <sup>2</sup> Tokyo Vision Eye Clinic Asagaya)
雑誌名	Cornea & External Disease

タイトル	Exploring Cell-Penetrating Peptides as Penetration Enhancers in Eye Drop Formulations Using a Reconstructed Human Corneal Epithelial Model
著者 (所属)	Morofuji R <sup>1</sup> , Enomoto H <sup>1</sup> , Honda T <sup>1</sup> , Oyama Y <sup>2</sup> , Ishida R <sup>2</sup> , Kudo K <sup>1</sup> , Okabe K <sup>1</sup> ( <sup>1</sup> Santen Pharmaceutical Co., Ltd., <sup>2</sup> Nara Institute of Science and Technology)
雑誌名	Biological and Pharmaceutical Bulletin

■ 2021

タイトル	<b>Effects of ambient particulate matter on a reconstructed human corneal epithelium model</b>
著者 (所属)	Ko R <sup>1</sup> , Hayashi M <sup>1</sup> , Tanaka M <sup>2</sup> , Okuda T <sup>3</sup> , Chiharu Nishita-Hara <sup>1</sup> , Hiroaki Ozaki <sup>1</sup> , Eiichi Uchio <sup>1</sup> ( <sup>1</sup> Fukuoka University, <sup>2</sup> Kobayashi Pharmaceutical Co., Ltd., <sup>3</sup> Keio University)
雑誌名	Scientific Reports

タイトル	<b>Highly accurate predictor of eye irritation utilizing potential parameters of reconstructed human cornea epithelium model calculated based on ansen solubility parameters</b>
著者 (所属)	Ito L <sup>1,2</sup> , Fujii T <sup>1</sup> , Watanabe S <sup>1</sup> , Yamamoto H <sup>1</sup> ( <sup>1</sup> Kansai University, <sup>2</sup> Milbon Co. Ltd.,)
雑誌名	Toxicology in Vitro

■ 2019

タイトル	<b>A Validation Study of a New In Vitro Eye Irritation Test using the Reconstructed Human Corneal Epithelial Tissue, LabCyte CORNEA-MODEL24</b>
著者 (所属)	Nakahara S <sup>1</sup> , Kojima H <sup>2</sup> , Omori T <sup>3</sup> , Yamashita A <sup>4</sup> , Endo M <sup>4</sup> , Satake M <sup>4</sup> , Nishiura H <sup>5</sup> , Shinoda S <sup>6</sup> , Hagiwara S <sup>6</sup> , Kasahara T <sup>7</sup> , Tahara H <sup>7</sup> , Yamamoto Y <sup>7</sup> , Ikeda H <sup>8</sup> , Yoshitake Y <sup>9</sup> , Lee J <sup>10, 11</sup> , Han Y <sup>11</sup> , Lee S <sup>11</sup> , Sugawara K <sup>12</sup> , Katoh M <sup>12</sup> . ( <sup>1</sup> Maruishilabo Corporation, <sup>2</sup> Japanese Center for the Validation of Alternative Methods (JaCVAM), National Institute of Health Sciences, <sup>3</sup> Kobe University School of Medicine, <sup>4</sup> Doshisha University, <sup>5</sup> Nihon Kolmar Co., Ltd., <sup>6</sup> Drug Safety Testing Center Co., Ltd., <sup>7</sup> Fujifilm Corporation, <sup>8</sup> Mandom Corporation, <sup>9</sup> Oppen Cosmetics Co., Ltd., <sup>10</sup> College of Veterinary Medicine, Konkuk University , <sup>11</sup> Institute of Biomedical Science & Technology, Konkuk University, <sup>12</sup> Japan Tissue Engineering Co., Ltd.)
雑誌名	Alternatives to Animal Testing and Experimentation

タイトル	<b>Investigation of comet assays under conditions mimicking ocular instillation administration in a three-dimensional reconstructed human corneal epithelial model.</b>
著者 (所属)	Tahara H, Sadamoto K, Yamagiwa Y, Nemoto S and Kurata M. (Senju Pharmaceutical Co., Ltd.)
雑誌名	Cutaneous and Ocular Toxicology

■ 2016

タイトル	<b>Upregulated epidermal growth factor receptor expression following near-infrared irradiation simulating solar radiation in a three-dimensional reconstructed human corneal epithelial tissue culture model</b>
著者 (所属)	Tanaka Y <sup>1</sup> ., Nakayama J <sup>2</sup> ., ( <sup>1</sup> Clinica Tanaka, <sup>2</sup> Shinshu University.)
雑誌名	Clinical Interventions in Aging

■ 2013

タイトル	<b>Establishment of a new in vitro test method for evaluation of eye irritancy using a reconstructed human corneal epithelial model, LabCyte CORNEA-MODEL</b>
著者 (所属)	Katoh M., Hamajima F., Ogasawara T., and Hata K. (Japan Tissue Engineering Co., Ltd.)
雑誌名	Toxicology in Vitro

■ 2012

タイトル	<b>Morphological characterization of a reconstructed human corneal epithelial model (LabCyte CORNEA-MODEL) as an alternative to the draize eye test for the assessment of eye irritation.</b>
著者 (所属)	Katoh M., Uemura N., Hamajima F., Ogasawara T., and Hata K. (Japan Tissue Engineering Co., Ltd.)
雑誌名	AATEX