References LabCyte EPI-MODEL

020

| Title | The ceramide [NP]/[NS] ratio in the stratum corneum is a potential marker for skin |
|---------------|--|
| | properties and epidermal differentiation |
| Author | Yokose U ¹ , Ishikawa J ¹ , Morokuma Y ¹ , Naoe A ¹ , Inoue Y ¹ , YasudaY ¹ , Tsujimura H ¹ , Fujimura T ¹ , |
| (affiliation) | Murase T ¹ and Hatamochi A ² |
| | (¹ Kao Corporation, ² Dokkyo Medical University) |
| Journal | BMC Dermatology |

| Title | Evaluation of the Cytotoxicity of Various Hand Disinfectants and Ozonated Water to |
|---------------|--|
| | Human Keratinocytes in a Cultured Epidermal Model |
| Author | Kashiwazaki J, Nakamura K, Hara Y, Harada R, Wada I, Kanemitsu K |
| (affiliation) | (Fukushima Medical University) |
| Journal | Advances in Skin & Wound Care (2020) |

| Title | A novel water-in-oil emulsion with a lecithin-modified bentonite prevents skin damage |
|---------------|--|
| | from urban dust and cedar pollen |
| Author | Iwanaga T ¹ , Nioh A ¹ , Reed N ² , Kiyokawa H ¹ , Akatsuka H ¹ |
| (affiliation) | (¹ POLA CHEMICAL INDUSTRIES, INC., ² Jurlique International Pty. Ltd.) |
| Journal | Int J Cosmet Sci. |

| Title | Predicting the results of a 24-hr human patch test for surfactants: utility of margin-setting |
|---------------|---|
| | in a reconstructed human epidermis model. |
| Author | Sugiyama M ^{1,2} , Ueki T ¹ , Ogata S ³ , Itagaki H ² . |
| (affiliation) | (¹ Shiseido Global Innovation Center, ² Department of Chemical and Energy Engineering, |
| | Yokohama National University, ³ Department of Environment and Information Science, Yokohama |
| | National University.) |
| Journal | J Toxicol Sci. |

| Title | A comparative study of skin irritation caused by novel bis-quaternary ammonium |
|---------------|--|
| | compounds and commonly used antiseptics by using cell culture methods. |
| Author | Yamamoto M ¹ , Matsumura R ¹ , Hirata Y ¹ , Nagamune H ² . |
| (affiliation) | (¹ Biochemical Laboratory, Saraya Co., Ltd., ² Tokushima University) |
| Journal | Toxicol In Vitro. |

| Title | Effects of surface charge and flexibility of liposomes on dermal drug delivery |
|---------------|---|
| Author | Ibaraki H ¹ , Kanazawa T ^{1,2} , Oogi C ¹ , Takashima Y ¹ , Seta Y ¹ |
| (affiliation) | (¹ Tokyo University of Pharmacy and Life Sciences, ² Nihon University) |
| Journal | Journal of Drug Delivery Science and Technology. |

| Title | Evaluation of cell viability and metabolic activity of a 3D cultured human epidermal model |
|---------------|--|
| | using a dynamic autoradiographic technique with a PET radiopharmaceutical. |
| Author | Sasaki T, Tamaki J, Nishizawa K, Kojima T, Tanaka R, Moriya R, Sasaki H & Maruyama H |
| (affiliation) | (Kitasato Univ.) |
| Journal | Scientific Report. |

■ 2018

| Title | Strawberry seed extract and its major component, tiliroside, promote ceramide synthesis |
|---------------|---|
| | in the stratum corneum of human epidermal equivalents |
| Author | Takeda S ¹ , Shimoda H ¹ , Takarada T ¹ , Imokawa G ^{2,3} . |
| (affiliation) | (¹ Research & Development Division, Oryza Oil & Fat Chemical Co., Ltd., ² Research Institute for |
| | Biological Functions, Chubu University, ³ Center for Bioscience Research and Education, |
| | Utsunomiya University) |
| Journal | PLoS One. |

| Title | Comparative assessment of 24-hr primary skin irritation test and human patch test data |
|---------------|---|
| | with in vitro skin irritation tests according to OECD Test Guideline 439 (for quasi-drugs in |
| | Japan) |
| Author | Sugiyama M ^{1,2} , Akita M ^{1,3} , Alépée N ⁴ , Fujishiro M ⁵ , Hagino S ^{1,2} , Handa Y ⁶ , Ikeda H ^{1,7} , Imai N ^{1,8} , |
| (affiliation) | Jitsukawa S ⁹ , Katoh M ¹⁰ , Kurihara K ¹¹ , Kyotani D ¹¹ , Nomura S ⁸ , Okamoto Y ¹ , Okumura H ^{1,12} , |
| | Omori T ^{1,13} , Sugibayashi K ^{1,14} , Todo H ^{1,14} , Toyoda A ^{1,15} , Ohno Y ^{1,16} . |
| | (¹Working Group on Alternatives to Primary Skin Irritation Test, Japanese Society of Alternatives |
| | to Animal Experiments (JSAAE), ² Shiseido Global Innovation Center, ³ Faculty of Family and |
| | Consumer Sciences, Kamakura Women's University, ⁴ L'Oréal Research & Innovation, |
| | France, ⁵ Cosmos Technical Center Co., Ltd., ⁶ Kurabo Industries Ltd., ⁷ Mandom Corp., ⁸ KOSÉ |
| | Corp., Ltd., ⁹ L'Oréal Research & Innovation, ¹⁰ Japan Tissue Engineering Co., Ltd., ¹¹ Nikoderm |
| | Research Inc., ¹² Institute of Beauty and Health Science, ¹³ Division of Biostatistics, Department of |
| | Social/Comunity Medicine and Health Science, Kobe University School of Medicine, ¹⁴ Faculty of |
| | Pharmacy and Pharmaceutical Sciences, Josai University, 15 Pola Chemical Industries, |
| | Inc., ¹⁶ Kihara Memorial Yokohama Foundation) |
| Journal | J Toxicol Sci |

| Title | Amino Carbonylation of Epidermal Basement Membrane Inhibits Epidermal Cell Function |
|---------------|---|
| | and Is Suppressed by Methylparaben |
| Author | Morimoto H., Gu L., Zeng H. and Maeda K. |
| (affiliation) | (Tokyo University of Technology Graduate School) |
| Journal | Cosmetics |

| Title | An in vitro skin sensitization assay termed EpiSensA for broad sets of chemicals including |
|---------------|--|
| | lipophilic chemicals and pre/pro-haptens. |
| Author | Saito K, Takenouchi O, Nukada Y, Miyazawa M, Sakaguchi H |
| (affiliation) | (Kao Corporation, R&D, Safety Science Research) |
| Journal | Toxicol In Vitro. |

| Title | Hand hygiene using a new hand-cleansing formulation without sanitizers: Effect on |
|---------------|--|
| | Staphylococcus aureus removal and recovery of properties against skin damage |
| Author | Asaoka K ^{1,2} , Endo S ¹ , Suzuki Y ¹ , Komuro S ³ , Nemoto T ⁴ , Kaku M ¹ |
| (affiliation) | (¹ Tohoku University, ² Kao Corporation, ³ Geriatric Health Services Facility "Cosmos", ⁴ Izumi |
| | Orthopedic Hospital) |
| Journal | Am J Infect Control. |

| Title | Upregulation of gene expression levels of ceramide metabolic enzymes after application of sphingomyelin-based liposomes to a three-dimensional cultured human epidermis model. |
|---------------|--|
| Author | Itaya Y and Tokudome Y |
| (affiliation) | (Josai University) |
| Journal | Biochem Biophys Res Commun. |

■ 2015

| Title | Esterase activity and intracellular localization in reconstructed human epidermal cultured |
|---------------|--|
| | skin models. |
| Author | Tokudome Y. Katayanagi M. Hashimoto F. |
| (affiliation) | (Josai University) |
| Journal | Annals of Dermatology |

■ 2014

| T'41 | |
|---------------|---|
| Title | In vitro analysis of the effect of alkyl-chain length of anionic surfactants on the skin by |
| | using a reconstructed human epidermal model. |
| Author | Yamaguchi F, Watanabe S, Harada F, Miyake M, Yoshida M, Okano T. |
| (affiliation) | (Lion Corporation) |
| Journal | Journal of Oleo Science |

| Title | A catch-up validation study of an in vitro skin irritation test method using reconstructed |
|---------------|--|
| | human epidermis LabCyte EPI-MODEL24 |
| Author | Kojima H ¹ , Katoh M ² , Shinoda S ³ , Hagiwara S ³ , Suzuki T ⁴ , Izumi R ⁴ , Yamaguchi Y ⁵ , Nakamura |
| (affiliation) | M⁵, Kasahawa T⁶, Shibai A⁶ |
| | (¹ Japanese Centre for the Validation of Alternative Methods, ² Japan Tissue Engineering Co. |
| | Ltd, ³ Drug Safety Testing Centre Co. Ltd, ⁴ FANCL Corporation, ⁵ Kobayashi Pharmaceutical Co. |
| | Ltd, ⁶ Fujifilm Corporation) |
| Journal | J Appl Toxicol. |

| Title | Keratinization induced by air exposure in the reconstructed human epidermal model: an in |
|---------------|--|
| | vitro model of a cultured epithelial autograft. |
| Author | Hanada T, Itahara Y, Katoh M, Inoie M, Hata K. |
| (affiliation) | (Japan Tissue Engineering Co., Ltd.) |
| Journal | Journal of Bioscience and Bioengineering |

| Title | Pseudomonas-derived ceramidase induces production of inflammatory mediators from |
|---------------|---|
| | human keratinocytes via sphingosine-1-phosphate |
| Author | Oizumi A ¹ , Nakayama H ¹ , Okino N ² , Iwahara C ¹ , Kina K ¹ , Matsumoto R ¹ , Ogawa H ¹ , Takamori K ¹ , |
| (affiliation) | Ito M ² , Suga Y ¹ , Iwabuchi K ¹ , |
| | (¹ Juntendo University, ² Kyushu University) |
| Journal | PLoS one |

| Title | Stratum corneum drying drives vertical compression and lipid organization and improves |
|---------------|---|
| | barrier function in vitro |
| Author | Iwai I ¹ , Kunizawa N ¹ , Yagi E ¹ , Hirao T ¹ , Hatta I ² |
| (affiliation) | (¹ Shiseido Research Center, ² Spring 8) |
| Journal | Acta Dermato Venereologica |

| Title | Photoprotective effects of inclusion complexes of fullerenes with polyvinylpyrrolidone |
|---------------|---|
| Author | Murakami M ¹ , Hyodo S ¹ , Fujikawa Y ² , Fujimoto T ³ , ⁴ , Maeda K ² |
| (affiliation) | (¹ Vitamine C60 BioResearch Co., ² Tokyo University of Technology, ³ Clinic F, ⁴ Tokai University) |
| Journal | Photodermatology, Photoimmunology and Photomedicine |

| Title | Topical surfactant-induced pruritus: involvement of histamine released from epidermal |
|---------------|--|
| | keratinocytes |
| Author | Inami Y ¹ , ² , Andoh T ¹ , Sasaki A ¹ and Kuraishi Y ¹ |
| (affiliation) | (¹ University of Toyama, ² Hoyu Co., Ltd.,) |
| Journal | The Journal of Pharmacology and Experimental Therapeutics |

| Title | Validation Study of the In Vitro Skin Irritation Test with the LabCyte EPI-MODEL24 |
|---------------|---|
| Author | Kojima H ¹ , Ando Y ² , Idehara K ³ , Katoh M ⁴ , Kosaka T ⁵ , Miyaoka E ⁶ , Shinoda S ⁷ , Suzuki T ⁸ , |
| (affiliation) | Yamaguchi Y ⁹ , Yoshimura I ⁶ , Yuasa A ¹⁰ , Watanabe Y ¹¹ and Takashi Omori ¹² |
| | (¹ Japanese Centre for the Validation of Alternative Methods, ² Aiken Co. Ltd, ³ Daicel |
| | Corporation, ⁴ Japan Tissue Engineering Co. Ltd, ⁵ The Institute of Environmental |
| | Toxicology, ⁶ Tokyo University of Science, ⁷ Drug Safety Testing Centre Co. Ltd, ⁸ Fancl |
| | Corporation, ⁹ Kobayashi Pharmaceutical Co. Ltd, ¹⁰ Fujifilm Corporation, ¹¹ Maruishi |
| | Pharmaceutical Co. Ltd, ¹² Doshisha University) |
| Journal | Alternative to Laboratory Animals |

| Title | Changes in ceramides and glucosylceramides in mouse skin and human epidermal |
|---------------|---|
| | equivalents by rice-derived glucosylceramide |
| Author | Shimoda H ¹ , Terazawa S ¹ , Hitoe S ¹ , Tanaka J ¹ , Nakamura A ² , Matsuda H ² and Yoshikawa M ² |
| (affiliation) | (¹ Oryza Oil and Fat Chemical Co. Ltd., ² Kyoto Pharmaceutical University) |
| Journal | Journal of medicinal food |

| Title | Th1 cytokines accentuate but Th2 cytokines attenuate ceramide production in the stratum corneum of human epidermal equivalents: An implication for the disrupted barrier mechanism in atopic dermatitis |
|---------------|---|
| Author | Sawada E ¹ , Yoshida N ² , Sugiura A ¹ and Imokawa G ^{1,3} |
| (affiliation) | (¹ Tokyo University of Technology, ² Ikeda Mohando Co., Ltd., ³ Chubu University) |
| Journal | Journal of Dermatological Science |

| Title | A reconstructed human epidermal keratinization culture model to characterize ceramide |
|---------------|---|
| | metabolism in the stratum corneum |
| Author | Yoshida N ^{1,2} , Sawada E ¹ and Imokawa G ¹ |
| (affiliation) | (¹ Tokyo University of Technology, ² Ikeda Mohando Co., Ltd.) |
| Journal | Archives of Dermatological Research |

| Title | Lack of promoting effect of titanium dioxide particles on chemically-induced skin |
|---------------|---|
| | carcinogenesis in rats and mice |
| Author | Sagawa Y ¹ , Futakuchi M ¹ , Xu J ¹ , Fukamachi K ¹ , Sakai Y ¹ , Ikarashi Y ² , Nishimura T ² , Suzuki M ¹ , |
| (affiliation) | Tsuda H ¹ , Morita A ¹ . |
| | (¹ Nagoya City University, ² National Institute of Health Science) |
| Journal | The Journal of Toxicological Sciences. |

| Title | Podoplanin expression in wound and hyperproliferative psoriatic epidermis: Regulation by TGF-β and STAT-3 activating cytokines, INF-γ, IL-6, and IL-22 |
|---------------|--|
| Author | Honma M, Minami-Hori M, Takahashi H, Iizuka H |
| (affiliation) | (Asahikawa Medical University) |
| Journal | Journal of Dermatological Science |

| Title | Eucalyptus increases ceramide levels in keratinocytes and improves stratum corneum |
|---------------|--|
| | function. |
| Author | Ishikawa J, Shimotoyodome Y, Chen S, Ohkubo K, Takagi Y, Fujimura T, Kitahara T, Takema Y. |
| (affiliation) | (Kao Corporation) |
| Journal | International Journal of Cosmetic Science |

| Title | Prediction of Percutaneous Absorption in Human Using Three-Dimensional Human |
|---------------|--|
| | Cultured Epidermis LabCyte EPI-MODEL |
| Author | Hikima T, Kaneda N, Matsuo K, Tojo K. |
| (affiliation) | (Kyushu Institute of Technology) |
| Journal | Biological and Pharmaceutical Bulletin |

| Title | Refinement of LabCyte EPI-MODEL24 Skin Irritation Test Method for Adaptation to the |
|---------------|---|
| | Requirements of OECD Test Guideline 439 |
| Author | Katoh M., Hata K. |
| (affiliation) | (Japan Tissue Engineering Co., Ltd.) |
| | |
| Journal | Alternatives to Animal Testing and Experimentation |

| Title | Lack of promoting effect of titanium dioxide particles on ultraviolet B-initiated skin |
|---------------|---|
| | carcinogenesis in rats |
| Author | Xu J ^{1,5} . Sagawa Y ² . Futakuchi M ¹ . Fukamachi K ¹ . Alexander DB ^{1,5} . Furukawa F ³ . Ikarashi Y ⁴ . |
| (affiliation) | Uchino T⁴. Nishimura T⁴. Morita A². Suzui M¹. Tsuda H⁵. |
| | (¹ Department of Molecular Toxic Nagoya City University, ² Department of Dermatology, Nagoya |
| | City University, ³ Daiyukai Institute of Medical Sciences, Inc., ⁴ Natioal Institute of Health |
| | Sciences, ⁵ Laboratory of Nanotoxicology Project Nagoya City University) |
| Journal | Food and Chemical Toxicology |

| Title | In vitro genotoxicity test approaches with better predictivity: summary of an IWGT |
|---------------|--|
| | workshop. |
| Author | Pfuhler S ¹ , Fellows M ² , van Benthem J ³ , Corvi R ⁴ , Curren R ⁵ , Dearfield K ⁶ , Fowler P ⁷ , Frötschl R ⁸ , |
| (affiliation) | Elhajouji A ⁹ , Le Hégarat L ¹⁰ , Kasamatsu T ¹¹ , Kojima H ¹² , Ouedraogo G1 ¹³ , Scott A ¹⁴ , Speit G ¹⁵ . |
| | (¹ The Procter and Gamble Co., ² AstraZeneca, ³ National Institute for Public Health and |
| | Environment, ⁴ Institute for Health Consumer Protection, ⁵ Institute for In Vitro Sciences Inc., ⁶ Food |
| | Safety and Inspection Service, ⁷ Covance Laboratories Limited, ⁸ BfArm, ⁹ Novartis Institute for |
| | Biomedical Research, ¹⁰ Anses, ¹¹ Kao Corporation, ¹² JaCVAM, ¹³ L'Oreal Life Sciences |
| | Research, ¹⁴ Unilever, ¹⁵ Universidat Ulm) |
| Journal | Mutation Research |

| Title | Increase in Ceramide Level after Application of Various Sizes of Sphingomyelin |
|---------------|--|
| | Liposomes to a Cultured Human Skin Model. |
| Author | Tokudome Y ¹ , Jinno M ¹ , Todo H ¹ , Kon T ² , Sugibayashi K ¹ , Hashimoto F. ¹ |
| (affiliation) | (¹ Josai University, ² Shalom Ltd.) |
| Journal | Skin Pharmacology and Physiology |

| Title | Ionic liquid-in-oil microemulsion as a potential carrier of sparingly soluble drug: |
|---------------|--|
| | characterization and cytotoxicity evaluation. |
| Author | Moniruzzaman M. ¹ , Tamura M. ¹ , Tahara Y. ¹ , Kamiya N. ^{1,2} and Goto M. ^{1,2} |
| (affiliation) | (¹ Graduate School of Engineering, Kyushu University, ² Kyushu University) |
| Journal | International Journal of Pharmaceutics |

| Title | REVIEW |
|---------------|--|
| | Evaluation of Anti-inflammatory and Anti-allergic Effects of Food Components Using DNA |
| | Microarray Analysis |
| Author | Kobori M ¹ ., Nagai K ^{1,2} ., Takahashi Y ¹ ., Oike H ¹ . |
| (affiliation) | (¹ National Food Research Institute, ² Mitsubishi Rayon Co., Ltd.) |
| Journal | Japan Agricultural Research Quarterly |

| Title | Preferential induction of endothelin-1 in a human epidermal equivalent model by |
|---------------|---|
| | narrow-band ultraviolet B light sources |
| Author | Noborio R., Morita A. |
| (affiliation) | (Nagoya City University of Medical Sciences) |
| Journal | Photodermatology, Photoimmunology and Photomedicine |

| Title | Assessment of the human epidermal model LabCyte EPI-MODEL for <i>In vitro</i> skin corrosion |
|---------------|--|
| | testing according to the OECD test guideline 431 |
| Author | Katoh M., Hamajima F., Ogasawara T., Hata K. |
| (affiliation) | (Japan Tissue Engineering Co., Ltd.) |
| Journal | The Journal of Toxicological Sciences |

| Title | Effect of topically applied sphingomyelin-based liposomes on the ceramide level in a |
|---------------|--|
| | three-dimensional cultured human skin model. |
| Author | Tokudome Y, Uchida R, Yokote T, Todo H, Hada N, Kon T, Yasuda J, Hayashi H, Hashimoto F, |
| (affiliation) | Sugibayashi K. |
| | (Josai University) |
| Journal | Journal of Liposome Research |

| Title | The Unfolded Protein Response Is Activated in Differentiating Epidermal Keratinocytes |
|---------------|---|
| Author | Sugiura K ¹ , Muro Y ¹ , Futamura K ^{1,2} , Matsumoto K ² , Hashimoto N ² , Nishizawa Y ¹ , Nagasaka T ¹ , |
| (affiliation) | Saito H ² , Tomita Y ¹ , Usukura J ³ . |
| | (¹ Nagoya University Graduate School of Medicine, ² National Research Institute of Child Health & |
| | Development, ³ Nagoya University) |
| Journal | Journal of Investigative Dermatology |

| Title | Morphological Characterization of a Reconstructed, Cultured Human Epidermal Model |
|---------------|---|
| | (LabCyte EPI-MODEL) As an Alternative to in Vivo Models |
| Author | Katoh M., Kubo K., Hamajima F., Ogasawara T., Hata K. |
| (affiliation) | (Japan Tissue Engineering Co., Ltd.) |
| Journal | Alternatives to Animal Testing and Experimentation |

| Title | Trypsin as a novel potential absorption enhancer for improving the transdermal delivery of |
|---------------|--|
| | macromolecules |
| Author | Li YZ. ¹ , Quan YS. ^{2,3} , Zang L. ² , Jin MN. ² , Kamiyama F. ³ , Katsumi H. ² , Tsutsumi S. ¹ , Yamamoto A. ² |
| (affiliation) | (¹ Kyoto University, ² Kyoto Pharmaceutical University, ³ CosMED Pharmaceutical Co. Ltd) |
| Journal | Journal of Pharmacy and Pharmacology |

| Title | Assessment of human epidermal model LabCyte EPI-MODEL for in vitro skin irritation testing according to European centre for the validation of alternative methods (ECVAM)-Validated Protocol |
|---------------|--|
| Author | Katoh M., Hamajima F., Ogasawara T., Hata K. |
| (affiliation) | (Japan Tissue Engineering Co., Ltd.) |
| Journal | The Journal of Toxicological Sciences |

| Title | Dichotomous effect of ultraviolet B on the expression of corneodesmosomal enzymes in |
|---------------|--|
| | human epidermal keratinocytes |
| Author | Nin M., Katoh N., Kokura S., Handa O., Yoshikawa T., Kishimoto S. |
| (affiliation) | (Kyoto Prefectural University of Medicine) |
| Journal | Journal of Dermatological Science |

| Title | The development of a filter to enhance the efficacy and safety of excimer light (308 nm) |
|---------------|--|
| | therapy. |
| Author | Kobayashi K. ¹ , Yasuda Y. ¹ , Shintani Y. ¹ , Sumitomo T. ² , Saga T. ² , Kimura M. ² , Yamamoto A. ³ , Mori |
| (affiliation) | T. ³ , Maeda A. ¹ , Yamaguchi Y. ¹ , Morita A. ¹ |
| | (¹ Nagoya City University, ² Ushio Inc., ³ Nara Medical University) |
| Journal | Photodermatology, Photoimmunology & Photomedicine |

| Title | Evaluation of the skin irritation using a DNA microarray on a reconstructed human |
|---------------|--|
| | epidermal Model |
| Author | Niwa M. ¹ , Nagai K. ^{2,3} , Oike H. ² , Kobori M. ² |
| (affiliation) | (¹ Katakura Chikkarin Co., Ltd., ² National Food Research Institute, ³ Mitsubishi Rayon Co., Ltd.) |
| Journal | Biological & Pharmaceutical Bulletin |

| Title | Test Method for Skin Damage of Titania Photocatalyst Nanoparticles in vitro. |
|---------------|--|
| Author | Watanabe E., Fukaya M., Nishizawa K., Miki T., Taoda H. |
| (affiliation) | (National Institute of Advanced Industrial Science and Technology Chubu) |
| Journal | Material Science Forum |

| Title | Change in optical properties of stratum corneum induced by protein carbonylation in vitro. |
|---------------|---|
| Author | Iwai I. ¹ , Ikuta K. ¹ , Murayama K. ² , Hirao T. ¹ |
| (affiliation) | (¹ Shiseido Life Science Research Center, ² Gifu University) |
| Journal | International Journal of Cosmetic Science |

| Title | Study on the prediction of human lip irritation from cosmetics materials using HeLa-MTT |
|---------------|---|
| | assay. |
| Author | Morinaga M., Shingaki K., Mori T., Yanagihara K. |
| (affiliation) | (NOEVIR Co., Ltd.) |
| Journal | Alternatives to Animal Testing and Experimentation |

| Title | LEDGF/DFS70, a major autoantigen of atopic dermatitis, is a component of keratohyalin |
|---------------|---|
| | granules |
| Author | Sugiura K. ¹ , Muro Y. ¹ , Nishizawa Y. ¹ , Okamoto M. ¹ , Shinohara T. ² , Tomita Y. ¹ , Usukura J. ¹ |
| (affiliation) | (¹ Nagoya University Graduate School of Medicine, ² University of Nebraska Medical Center) |
| Journal | Journal of Investigative Dermatology |

| Title | Dose-response evaluation using an epidermal model, an alternative to skin irritation |
|---------------|--|
| | testing. |
| Author | Kojima H., Ishii I., Nakata S., Konishi H. |
| (affiliation) | (Nippon Menard Cosmetic Co., Ltd) |
| Journal | Alternatives to Animal Testing and Experimentation |