

CONTENTS

Review Articles

Detection of Pesticide Residues in Imported Agricultural Products in Tokyo and an Alteration to Testing Portions for International HarmonizationKenji OTSUKA	13
--	----

Test Verification of Crude Drugs and Medicinal Plants by the Tokyo Metropolitan GovernmentJun'ichi NAKAJIMA, Masako ARAGANE, Kou NAKAMURA, Hiroko SHIODA, Atsuko SUZUKI, Seiko SHIMIZU, Yuri MOTEGI, Nozomi UEMURA, Misako TAKAHASHI, Tomoko URADE, Takako SETO, Chieko KANAI, Akemichi NAGASAWA, Katsuhiko YUZAWA, Kazuyoshi TANAKA, Itsuki SAITO, Yoko ICHIKAWA, Tomohiro ABE, Daisuke WATANABE, Rei NISHIYAMA, Masao YOSHIDA, Miho SAKAMOTO, Jin SUZUKI, Toshinari SUZUKI, Akiko INOMATA and Takako MORIYASU	23
---	----

Report of research

The Role of Laboratory Diagnosis and Infectious Disease Surveillance Center of the Tokyo Metropolitan Institute of Public Health during the new Coronavirus disease (COVID-19) Pandemic from January–May 2020Takashi CHIBA, Kenji SADAMASU, Mami NAGASHIMA, Ryota KUMAGAI, Mamiyo KAWAKAMI, Hiroyuki ASAKURA, Yuta UCHIDA, Emiko KAKU, Fumi KASUYA, Yurie KITAMURA, Tomohiro KOSUGI, Ai SUZUKI, Miyuki NAGANO, Michiya HASEGAWA, Masaki HAYASHI, Yukinao HAYASHI, Sachiko HARADA, Takushi FUJIWARA, Kohji MORI, Yu YAOITA, Takako YAMAZAKI, Tsukasa ARIYOSHI, Megumi ANNAKA, Yumi UCHITANI, Koudai KOUDO, Kai KOBAYASHI, Noeru HASEGAWA, Morika MITOBE, Hirofumi MIYAKE, Keiko YOKOYAMA, Isao YOSHIDA, Mutsuko ASAYAMA, Miki IDA, Satomi UEHARA, Asuka ONO, Maho KAWAMURA, Noriko KONISHI, Makiko KOBAYASHI, Dai SAIKI, Yukako SHIMOJIMA, Jun SUZUKI, Yukari NISHINO, Kou MURAKAMI, Kana MORITA, Shohei YOSHIMARU, Kana KIMOTO, Tetsuya SHINDO, Ayano HOTTA, Chigusa KOBAYASHI, Kenji OHTSUKA, Souichi YOSHIKAWA, Takeo SASAMOTO, Ryota INABA, Hiroyuki KOMINE, Yuki SAEKI, Miho SAKAMOTO, Hiroko SHIOTA, Atsuko SUZUKI, Toshinari SUZUKI, Yasuhiro TAKAKU, Daisuke TERAOKA, Aya NAKAMURA, Atsuko NARUSE, Rei NISHIYAMA, Masao YOSHIDA, Yuri MOTEGI, Haruka IIDA, Chihiro IGA, Tomoko OKUBO, Teruaki KINOSHITA, Yuki KOSUGI, Ikue SAITO, Kumiko TAKAHASHI, Yukinari TATEISHI, Yu TANAKA, Yukiko TABELI, Tokuko TSUNODA, Norihisa MISEKI, Kimiyo WATANABE, Kiyomi IKUSHIMA, Aya SAIGA, Jin SUZUKI, Toyohito TANAKA, Akemichi NAGASAWA, Mari NAKAMURA, Kyouko HIRAMATU, Motoki HOUJOU, Takako MORIYASU, Takatoshi ISHIKAWA, Tomoko ISHIKAWA, Minoru EDA, Mayu OKADA, Akiko KUSABUKA, Yukiko SHINOHARA, Takayuki SHINKAI, Yoshiko SOUMURA, Naoki NAKATSUBO, Tomoko HAMAJIMA, Toshihisa NOGUUCHI,	
--	--

Hideto ARAI, Katsumi GOTOU, Toshifumi YOSHIHARA, Yutaka HIROSE
and Kazuhisa YOSHIMURA 39

I Infectious Diseases and Others

< Reports >

Evaluation of Pathogens in Ticks collected from mountains in Tokyo (April 2019_October 2019)
.....Isao YOSHIDA, Emiko KAKU, Ai SUZUKI, Yuta UCHIDA, Kohji MORI,
Takashi CHIBA, Keiko YOKOYAMA, and Kenji SADAMASU 49

Examining a Virus Surveillance Method for Mosquito-Borne Infectious Diseases
.....Yuta UCHIDA, Kohji MORI, Isao YOSHIDA, Sachiko HARADA,
Ai SUZUKI, Fumi KASUYA, Tomohiro KOSUGI, Takashi CHIBA,
and Kenji SADAMASU 55

The Results of the External Quality Assessment of Pathogen Nucleic Acid Test for the Registered Clinical
Laboratories in Tokyo (April 2019 - March 2020)
..... Mami NAGASHIMA, Mamiyo KAWAKAMI, Ryota KUMAGAI,
Hiroyuki ASAKURA, Miyuki NAGANO, Yurie KITAMURA,
Emiko KAKU, Yu YAOITA, Michiya HASEGAWA, Mayuko ODA,
Megumi ICHIKAWA, Takashi CHIBA, Hiroyuki KONISHI,
Kenji SADAMASU and Yoshikazu ISHII 61

Genetic analysis of SARS-CoV-2 detected in Tokyo using Next Generation Sequencer(NGS)
(February 2020 to May 2020)
.....Hiroyuki ASAKURA, Mami NAGASHIMA, Ryota KUMAGAI,
Isao Yoshida, Noeru HASEGAWA, Michiya HASEGAWA,
Takushi FUJIWARA, Masaki HAYASHI, Miyuki NAGANO,
Takako YAMAZAKI, Mamiyo KAWAKAMI, Yurie KITAMURA,
Emiko KAKU, Yu YAOITA, Kohji MORI, Yuta UCHIDA,
Sachiko HARADA, Ai SUZUKI, Fumi KASUYA, Tomohiro KOSUGI,
Yukinao HAYASHI, Takashi CHIBA, and Kenji SADAMASU 65

Evaluation of Direct Real-time RT-PCR Assay for Detection of SARS-CoV-2
.....Ryota KUMAGAI, Mami NAGASHIMA, Hiroyuki ASAKURA,
Isao Yoshida, Mamiyo KAWAKAMI, Yuta UCHIDA, Miyuki NAGANO,
Takushi FUJIWARA, Michiya HASEGAWA, Masaki HAYASHI,
Takako YAMAZAKI, Emiko KAKU, Yurie KITAMURA, Yuu YAOITA,
Kohji MORI, Sachiko HARADA, Ai SUZUKI, Fumi KASUYA,
Tomohiro KOSUGI, Yukinao HAYASHI, Takashi CHIBA
and Kenji SADAMASU 73

Environmental Surveillance of Poliovirus in Sewage in Tokyo (April 2019- March 2020)
.....Ryota KUMAGAI, Mami NAGASHIMA, Akane NEGISHI, Emiko KAKU,
Yukinao HAYASHI, Mamiyo KAWAKAMI, Masaki HAYASHI,
Takako YAMAZAKI, Hiroyuki ASAKURA, Miyuki NAGANO,
Yurie KITAMURA, Yuu YAOITA, Takushi FUJIWARA,
Michiya HASEGAWA, Kohji MORI, Isao YOSHIDA, Yuta UCHIDA,
Ai SUZUKI, Tomohiro KOSUGI, Takashi CHIBA
and Kenji SADAMASU 79

Genetic analysis of severe fever with thrombocytopenia syndrome virus (SFTSV) first detected in Tokyo	Mamiyo KAWAKAMI, Ryota KUMAGAI, Isao YOSHIDA, Akane NEGISHI, Yurie KITAMURA, Emiko KAKU, Hiroyuki ASAKURA, Miyuki NAGANO, Yuu YAOITA, Michiya HASEGAWA, Yukinao HAYASHI, Mami NAGASHIMA, Takashi CHIBA, and Kenji SADAMASU	85
--	--	----

A Genetic Analysis of Norovirus Cases Detected in Tokyo (April 2019–March 2020)	Yu YAOITA, Michiya HASEGAWA, Hiroyuki ASAKURA, Miyuki NAGANO, Yukinao HAYASHI, Akane NEGISHI, Ryota KUMAGAI, Mamiyo KAWAKAMI, Yurie KITAMURA, Emiko KAKU, Mami NAGASHIMA, Takashi CHIBA, and Kenji SADAMASU	91
--	---	----

II Pharmaceutical Hygiene

<Original Articles>

Analytical Results of New Psychoactive Substances-Containing Drugs Purchased over the Internet in April 2019 - March 2020 and Detection of New LSD Analogs on Blotter Papers	Yuki SAEKI, Miho SAKAMOTO, Hiroko SHIODA, Atsuko SUZUKI, Yuri SAITO, Seiko SHIMIZU, Daisuke TERAOKA, Kazue TANAKA, Yuri MOTTEKI, Machiko NAGASHIMA, Misako TAKAHASHI, Kiyoko KISHIMOTO, Tomoko URADE, Yoshimitsu ITO, Jun'ichi NAKAJIMA, Toshinari SUZUKI, Jin SUZUKI, Akiko INOMATA, and Takako MORIYASU	99
--	--	----

<Reports>

An Analysis of Ingredients in Cosmetics (April 2018 to March 2019)	Yuri SAITO, Hideki HASHIMOTO, Atsuko NARUSE, Hajime TACHIKAWA, Aya NAKAMURA, Keiko MINOWA, Jin SUZUKI, Toshinari SUZUKI, Akiko INOMATA, and Takako MORIYASU	107
---	---	-----

III Food Hygiene

<Original Articles>

The Detection of <i>Campylobacter fetus</i> subsp. <i>fetus</i> in Beef Liver	Keiko YOKOYAMA, Satoru AKASE, Masaki TAKAHASHI, and Kenji SADAMASU	119
--	---	-----

Development of Real-time PCR for Discrimination of Kue (<i>Epinephelus bruneus</i>) and Aburabouzu (<i>Erilepis zonifer</i>)	Kimio MONMA, Hirofumi USHIYAMA and Akihiro IBE	127
--	--	-----

Analysis of Nonpermitted Oil Soluble Dyes in Foods by LC-MS/MS	Akiko YASUI, Hitomi KYOKO, Narue SAKAMAKI, Yuki SADAMASU, Keiko USHIYAMA, and Chigusa KOBAYASHI	135
---	--	-----

Examination of Polychlorinated Biphenyl Analysis by GC-ECD using Hydrogen Carrier Gas	Harunori OTANI, Yasuhiro TAMURA, Sumiyo YAMAMOTO, Mihoko MORIOKA and Kenji OTSUKA	141
--	--	-----

<Reports>

Surveys of Bacterial Contamination in Natural Thawing frozen foods Sold in TokyoYukari NISHINO, Yukako SHIMOJIMA, Rie FUKUI, Sumiyo KURODA, Miki IDA, Miyuki MATSUMOTO, Yuriko MAKABE, Jun Suzuki, and Kenji SADAMASU	147
The Evaluation of the Chromogenic Enzyme Substrate Medium for Enumerating Coliforms in Meat SamplesRie FUKUI, Yukako SHIMOJIMA, Yukari NISHINO, Sumiyo KURODA, Kaeko YAMAZAKI, Kaoru HATAKEYAMA, Jun SUZUKI, and Kenji SADAMASU	153
Levels of Radioactive Materials in Foods (April 2019 - March 2020)Ayana SUZUKI, Kenji IIDA, Tomoko YOKOYAMA, Toshiko SHIMOI, Izumi HIRAYAMA, Mayu TAKANASHI, Emi HASEGAWA, Yuka OKA, Hiroko SHIRADOU, Fumika HAMADA, Satomi MATSUZAWA, Yumi OONO, and Hisako NAKANO	159
Examination of Allergic Substance in Foods (April 2017-March 2020)Kana KIMOTO, Akiko TERAII, Mami OGAI, Ayano HOTTA, Hiroyuki ASAKURA, Kayo HAGINO, Tetsuya SHINDO, and Takeo SASAMOTO	165
Outbreaks of Poisoning by Chemical and Naturally Occurring Toxicants in Tokyo, 2019Keisuke KIMURA, Tomoya TANAKA, Kimiko KAN, Hisako NAKANO and Tetsuya SHINDO.....	173
Case Studies of Food Complaints (April 2019–March 2020)Tomoya TANAKA, Keisuke KIMURA, Kimiko KAN, Hisako NAKANO, and Tetsuya SHINDO.....	181
Survey of Pesticide Residues in Imported Crops (April 2019–March 2020) – Vegetables and Other Products –Kazuoki YAMAMOTO, Sanae TOMIZAWA, Tamako MASUBUCHI, Yumiko YAMAKI, Kyoko KAMIJO, Takayuki NAKAJIMA, Tomomi TAKADA, Yoshie KOKAJI, Shui WATANABE, Yoshihiro OHSAWA, Tsuneo HASHIMOTO, and Kenji OTSUKA.....	187
Survey of Pesticide Residues in Imported Crops (April 2019–March 2020) – Fruits –Kyoko KAMIJO, Sanae TOMIZAWA, Tamako MASUBUCHI, Yumiko YAMAKI, Takayuki NAKAJIMA, Kazuoki YAMAMOTO, Tomomi TAKADA, Yoshie KOKAJI, Shui WATANABE, Yoshihiro OHSAWA, Tsuneo HASHIMOTO, and Kenji OTSUKA.....	197
Survey of Pesticide Residues in Domestic Vegetables and Fruits (April 2019 – March 2020)Sanae TOMIZAWA, Tamako MASUBUCHI, Yumiko YAMAKI, Kyoko KAMIJO, Takayuki NAKAJIMA, Kazuoki YAMAMOTO, Tomomi TAKADA, Yoshie KOKAJI, Shui WATANABE, Yoshihiro OHSAWA, Tsuneo HASHIMOTO, and Kenji OTSUKA.....	209

Survey of Organochlorine Pesticide Residues in Livestock and Fishery Products (April 2019–March 2020)	
.....Yuki OMACHI, Maki KOBAYASHI, Naoko SAKAI, Yuka MORITA, and Kenji OTSUKA	217

IV Environmental Hygiene

<Original Articles>

The detection of antimicrobial agents and carbapenems-resistant Enterobacteriaceae in river water in Tokyo	
.....Teruaki KINOSHITA, Tomoko ODA, Kimiyo WATANABE, Takako YAMAZAKI, Haruka IIDA, Tokuko TSUNODA, Yuki KOSUGI, Kou MURAKAMI, Miki IDA, Ikue SAITO, Akiko INOMATA, and Takako MORIYASU	225

<Reports>

The Photodegradation of Antibiotics in Water by Irradiation of Artificial Sunlight	
.....Yuki KOSUGI, Haruka IIDA, Kimiyo WATANABE, Ikue SAITOU, Akiko INOMATA, and Takako MORIYASU	233
A Case Study of Rising Radiation Dose Rates Caused by Medical X-ray and Radiopharmaceuticals	
.....Norihisa MISEKI, Satoko FUJIE, Hiroyuki KONISHI, Ikue SAITO and Takako MORIYASU	241

V Biological Effects

< Original Articles >

Two-Generation Toxicity Study of the Neonicotinoid Pesticide Dinotefuran in CD-1 Mice	
.....Aya SAIGA, Yukie TADA, Mari NAKAMURA, Motoki HOJO, Kiyomi IKUSHIMA, Ai MAENO, Katsuhiko YUZAWA, Akemichi NAGASAWA, Yoshikazu KUBO, Hiroshi ANDO, Kazuyoshi TANAKA, Jin SUZUKI, Akiko INOMATA, and Takako MORIYASU	249

VI Public Health information

< Reports >

Epidemiological Status of Tetanus in Tokyo, 2006-2019	
.....Yoshiko SOMURA, Junko HARADA, Minoru KOTANI, Akiko KUSABUKA, Yoko NADAOKA, and Naoki NAKATSUBO	259
The Study of the Relationship between the Number of Hits on the Website of Tokyo Metropolitan Infectious Disease Surveillance Center and Infectious Diseases Prevalence	
.....Asamoe OGAWA, Koji KOIKE, Yoko NADAOKA, Yoshiko SOMURA, Akiko KUSABUKA, and Naoki NAKATSUBO	265
Activities of Tokyo Epidemic Investigation Team (TEIT) against COVID-19 outbreaks (January – June, 2020)	
.....Akiko KUSABUKA, Mayu OKADA, Aika WATANABE, Kenji SADAMASU, and Naoki NAKATSUBO	275

Books, Book Chapters and Journals	285
--	-----

Presentations at Conferences and Scientific Meetings	291
---	-----