

**BULLETIN OF
OSAKA PREFECTURAL INSTITUTE OF PUBLIC HEALTH
CONTENTS**

—RESEARCH REPORTS—

West Nile Virus Surveillance in Osaka Prefecture (Fiscal 2011 Report)

I. AOYAMA, T. YUMISASHI, Y. KUMAI, K. KAKEHASHI, Y. MATSUI, T. KURAMOCHI, T. HIRATA, T. KASE and K. TAKAHASHI	1
--	---

Prevalence and Molecular Epidemiological Analysis of Enterovirus Infection in Osaka Prefecture (Fiscal 2011 Report)

K. NAKATA K. YAMAZAKI N. SAKON and T. KASE	8
--	---

Studies on a Method for the Determination of TBHQ in Sesami and Peanut Products

C. NOMURA, K. AWAZU, K. KIYOTA, M. YOSHIMITSU and K. AKUTSU	14
---	----

Determination of Medicinal Ingredients for Treating Erectile Dysfunction in Health Food.

A. TAKEDA, A. ASADA, T. TAGAMI, T. DOI, Y. SATSUKI, K. KAJIMURA, and Y. SAWABE	19
---	----

Analysis of Acetaminophen and Its Related Drug by Using Solid Phase Extraction and HPLC

T. OKAMURA	24
------------------	----

Simple and Rapid Determination of Pyrethroid Pesticide Residues in Kampo Products by Gas Chromatography-Mass Spectrometry with Electron Ionization.

T. TAGAMI, A. TAKEDA, A. ASADA, A. AOYAMA, T. DOI, K. KAJIMURA and Y. SAWABE	26
---	----

Survey of Environmental and Food Radioactivity in Osaka Prefecture (Fiscal 2011 Report)

T. HIZUKA, E. AZUMA, M. OHYAMA and S. ADACHI	30
--	----

Effects of Sodium Laureth Sulfate on Mice by Inhalation Exposure

E. AZUMA and T. NAKAJIMA	38
--------------------------------	----

Analytical Study Using LC/TOF-MS and LC/MS/MS on Colourants Regulated by European Standards EN71 for Infant Textile Products

H. NAKASHIMA, M. MIMURA, K. YAMASAKI and M. KANIWA	45
--	----

—ABSTRACTS—

Sensitivities of Ciprofloxacin-Resistant *Mycobacterium tuberculosis* Clinical Isolates to Fluoroquinolones; Role of Mutant DNA Gyrase Subunits in Drug Resistance

S. SUZUKI, T. NAKAJIMA, A. TAMARU, H. KIM, T. MATSUBA and H. SAITO	56
--	----

Investigation of <i>stx2</i> + <i>eae</i> + <i>Escherichia coli</i> O157:H7 in Beef Imported from Malaysia to Thailand	
P. SUKHUMUNGOON, Y. NAKAGUCHI, N. INGVIYA, J. PRADUTKANCHANA, Y. IWADE, K. SETO, R. SON, M. NISHIBUCHI and V. VUDDHAKUL	56
Emergence of a Novel Shiga Toxin-Producing <i>Escherichia coli</i> O-serogroup Cross-Reacting with <i>Shigella boydii</i> type 10	
A. IGUCHI, S. IYODA, K. SETO and M. OHNISHI; ON BEHALF OF THE EHEC STUDY	57
Wide Distribution of O157-Antigen Biosynthesis Gene Clusters in <i>Escherichia coli</i>	
A. IGUCHI, H. SHIRAI, K. SETO, T. OOKA, Y. OGURA, T. HAYASHI, K. OSAWA and R. OSAWA	57
Detection and Identification of Diarrheagenic <i>Escherichia coli</i> (in Japanese)	
K. SETO	58
Molecular Epidemiological Investigation of a Diffuse Outbreak Caused by <i>Salmonella enterica</i> serotype Montevideo isolates in Osaka Prefecture, Japan	
T. HARADA, J. SAKATA, M. KANKI, K. SETO, M. TAGUCHI and Y. KUMEDA	58
Infection with Enteroviruses (in Japanese)	
K. YAMAZAKI	59
Foodborn and Infectious Disease Caused by Noroviruses (in Japanese)	
N. SAKON, O. NISHIO	59
Noteworthy Viral Infection and Control Measures 1: Opening Remarks (in Japanese)	
T. KASE	60
Surveillance of vaccine preventable diseases (in Japanese)	
T. KASE	60
Noteworthy Viral Infection and Control Measures : Pandemic influenza virus (in Japanese)	
S. MORIKAWA	61
Genetic Analysis of Human Adenovirus Type 54 Detected in Osaka, Japan	
S. HIROI, N. KOIKE, T. NISHIMURA, K. TAKAHASHI, S. MORIKAWA and T. KASE	61
Tickborne Diseases and Cautions against Them (in Japanese)	
T.YUMISASHI	62
Noteworthy Viral Infections and Control Measures : Arboviral Infections (in Japanese)	
T.YUMISASHI	62
The Present State of Japanese Encephalitis Vaccine (in Japanese)	
I. AOYAMA	63

Intron Sequences from the CCT7 Gene Exhibit Diverse Evolutionary Histories among the Four Lineages within the Babesia microti-group, a Genetically Related Species Complex that	
K. FUJISAWA, R. NAKAJIMA, M. JINNAI, H. HIRATA, A. ZAMOTO-NIIKURA, T. KAWABUCHI-KURATA, S. ARAI and C. ISHIHARA	63
Novel Anti-HIV-1 Activity Produced by Conjugating Unsulfated Dextran with PolyL-lysine	
K.NAKAMURA, T.OHTSUKI, H.MORI, H.HOSHINO, A.HOQUE, A.OUE, F.KANO, H.SAKAGAMI, K.TANAMOTO, H.USHIJIMA, N.KAWASAKI, H.AKIYAMA and H.OGAWA	64
Noteworthy viral infection and Control Measures 8 : AIDS (in Japanese)	
H. MORI	64
Countermeasures against HIV; Present Situation in Osaka Prefecture and the Role Played by the Osaka Prefectural Institute of Public Health in the Activity (in Japanese)	
T. KAWAHATA	65
Current Situations and Issues of (Local Governmental) Public Health Institutes in the Areas where Many HIV/AIDS Patients are Reported (in Japanese)	
T. KAWAHATA, Y. KOJIMA, H. MORI	65
Evaluation of the Antiviral Activity of chlorine Dioxide and Sodium Hypochlorite Against Feline Calicivirus, Human Influenza Virus, Measles Virus, Canine Distemper Virus, Human Herpesvirus, Human Adenovirus, Canine Adenovirus and Canine Parvovirus.	
T.SANEKATA, T.FUKUDA, T.MIURA, H.MORINO, C. LEE, K.MAEDA, T.KAWAHATA and T.SHIBATA	66
Synthesis, anti-HIV and anti-oxidant Activities of Caffeoyle 5,6-anhydroquinic Acid Derivatives	
CM. Ma, T. KAWAHATA, M.HATTORI, T.OTAKE, L.WANG and M.DANESHTALAB	66
The Evaluation and Improving Measures of STI Surveillance Systems at the Local Government Level in Japan (in Japanese)	
K. NAKASE, Y. NAKATANI, N. HORI, Y. OMOTO, H. TAKAHASHI, A. YAMAUCHI, M. FUKUDA, K. OKUMA, T. KAWAHATA, C. SHIRAI, T. KODAMA, T. YAMAGISHI and M. ONISHI	67
Determination of Histamine in Fish and Fish Products by Tandem Solid-Phase Extraction	
K. AWAZU, C. NOMURA, M. YAMAGUCHI and H. OBANA	67
Simultaneous Determination of Polyether Antibiotics and Macrolide Anthelmintics in Livestock Products by Liquid Chromatography/Tandem Mass Spectrometry	
M. YAMAGUCHI, K. KAKIMOTO, T. YAMAGUCHI and H. OBANA	68
Di(2-ethylhexyl)phthalate and Mono(2-ethylhexyl)phthalate in the Media Using for in Vitro Fertilization	
S. TAKATORI, K. AKUTSU, F. KONDO, R. ISHII, H. NAKAZAWA and T. MAKINO	68

A Quantitative Analysis of Schizandrin and Gomisin A in Schisandrae Fructus (in Japanese) T. TAGAMI, K. ARIMOTO, M. ITO, Y. OSUMI, M. OKASAKA, T. KANAYA, E. SAKAI, Y. SHIMADA, Y. TAKAI, K. TOKURA, K. NAKAJIMA, M. NOGUCHI, T. HASHIZUME, Y. HISATA, G. HONDA, M. MORIYASU, Y. YAMAMOTO and T. YOKOKURA	69
Bactericidal Activity of Quaternium-15 and its Decomposition Products against Aerobic Bacteria K. KAJIMURA, T. DOI, A. ASADA, A. TAKEDA and T. TAGAMI	69
The Quality of Sodium Dodecyl Sulfate used in Dissolution Test for the Poor Water Solubility formulation as a Surfactant (Part 1) (in Japanese) K. KAJIMURA, M. KAWAGUCHI and C. YOMOTA	70
Variation in Quality of Sodium Dodecyl Sulfate Used in the Dissolution Test as a Surfactant for the Poorly Water Soluble Drug (Part 2) (in Japanese) K. KAJIMURA, M.KAWAGUCHI and C. YOMOTA	70
Changes in Dissolution Behavior of Tranexamic Acid Capsules during Storage (in Japanese) M. KAWAGUCHI, K. KAJIMURA and S. TAGUCHI	71
The Different Decomposition Properties of Diazolidinyl Urea in Cosmetics and Patch Test Materials T. DOI, K. KAJIMURA and S. TAGUCHI	71
Proposal of a Checklist for Safe Handling of Antineoplastic Drugs (in Japanese) J. YOSHIDA, S. KODA, T. YOSHIDA, S. NISHIDA and S. KUMAGAI	72
Comprehensive Evaluation of Cyclophosphamide Wipe Test Using Commercial Laboratory in Japan (in Japanese) K.HAMA, S. SUGIURA, K. FUKUSHIMA, J. YOSHIDA and T. HASHIDA	72
Result of External Quality Control on the Analytical Measures for Tap Water in Osaka Prefecture—Total Solids (2009)— (in Japanese) H. TANAKA, F. ADACHI, Y. OGAWA, N. YOSHIDA, N. KIMURA and S. ADACHI	73
Fate of Perfluorooctanesulfonate and Perfluorooctanoate in Drinking Water Treatment Processes S. TAKAGI, F. ADACHI, K. MIYANO, Y. KOIZUMI, H. TANAKA, I. WATANABE, S. TANABE and K. KANNAN	73
Perchlorate Concentration in Water System and Its Variation by Water Treatment in Osaka (in Japanese) S. TAKAGI, F. ADACHI, K. MIYANO, N. YOSHIDA, Y. OGAWA, H. LI, M. KITAGAWA, Y. SEKIGUCHI, S. ADACHI and S. TANABE	74
The First Case of <i>Legionella nagasakiensis</i> Isolation from Hot Spring Water K. FURUHATA, A. EDAGAWA, H. MIYAMOTO, K. GOTO, S. YOSHIDA and M. FUKUYAMA	74

Isolation of <i>Legionella</i> Species from Hot Spring Bath Water Samples in Japan, and the Antibiotic Susceptibility of the <i>L. pneumophila</i> Isolates	
K. FURUHATA, A. EDAGAWA, N. ISHIZAKI, M. HARA and M. FUKUYAMA	75
Disinfection Efficacy of Low Levels of Dissolved Ozone against <i>Legionella pneumophila</i> at Various pHs and 40°C (in Japanese)	
K. NAKAMURO, H. DOI, H. HIZUKA and A. EDAGAWA	75
Disinfection Efficacy of Contact Lens Multipurpose Solutions against <i>Acanthamoeba</i> (in Japanese)	
A. EDAGAWA, A. KIMURA, H. TANAKA, H. DOI, Y. KUSUHARA, S. ADACHI and H. MIYAMOTO	76
Histological Effect of Nitrous Acid with Secondary Products of Nitrogen Dioxide and Nitric Oxide Exposure on Pulmonary Tissue in Mice	
M. OHYAMA, K. OKA, S. ADACHI and N. TAKENAKA	76
Should the Regulation of Nitrogen Dioxide be Amended for the Regulation of Nitrous Acid?	
M. OHYAMA	77
Effects of Atmospheric Particles and Several Model Particles of Particulate Matter Components on Human Monocyte-Derived Macrophage Oxidative Responses	
M. OHYAMA, S. AKASAKA, T. OTAKE, K. MORIMAGA, Young W. Kim, Kyong-W. Moon, T. KAMEDA and S. ADACHI	77
Simultaneous Analytical Method for Urinary Metabolites of Organophosphorus Compounds and Moth Repellents in General Population	
T. YOSHIDA and J. YOSHIDA	78

大阪府立公衆衛生研究所 研究報告
第50号

発行年月日	平成24年9月
編集兼	大阪府立公衆衛生研究所
発行者	所長 山本容正
〒537-0025	大阪市東成区中道1丁目3番69号
	TEL 06-6972-1321(代)
	FAX 06-6972-2393