

Review Team Leaders and Members of Working Group 1 and 2 of JCTLM

JCTLM-WG1: Reference Materials and Measurement Methods/Procedures		
Analyte Category	Review Team Leader	Review Team Members
Blood cell counting	Lili Wang, National Institute of Standards and Technology (NIST)	Mingting Peng, National Center for Clinical Laboratories
		Yohko Kawai, International University of Health and Welfare
		Joerg Neukammer, Physikalisch-Technische Bundesanstalt (PTB)
		Johannes J. Hoffmann, Abbott Diagnostics Division
		Giuseppe d'Onofrio, Catholic University of Rome
Blood Groupings	Susan Thorpe, National Institute for Biological Standards and Control (NIBSC), Division Haematology	Alexander von Ruecker, University of Bonn
		John Allan, Alba Bioscience
Coagulation Factor	Elaine Gray, National Institute for Biological Standards and Control (NIBSC)	Kathleen Reis, Ortho-Clinical Diagnostics
		Craig Jackson, Hemosaga Diagnostics Corporation
		Barry Woodhams, Stago R&D
		Steve Kitchen, Royal Hallamshire Hospital, Department of Coagulation
Drugs	Andre Henrion, Physikalisch-Technische Bundesanstalt (PTB)	Steffen Rosen, Rossix
		Lothar Siekmann, University Hospital Bonn, DGKL Reference Laboratory
		Barbara Jones, United States Pharmacopeial Convention
		Christoph Seger, Institute of Medicinal and Chemical Laboratory Diagnostics, University Hospital Innsbruck
		Brian Keevil, University Hospital of South Manchester, Department of Clinical Biochemistry
Electrolytes and Blood Gases	Brigitte Toussaint, Institute for Reference Materials and Measurements (IRMM)	Chandra Jain
		Stephen Long, National Institute of Standards and Technology (NIST)
		Christoph Ritter, Roche Diagnostics
		Samuel Wunderli, Federal Office of Metrology (METAS)
Enzymes	Mauro Panteghini, University of Milan	Ferruccio Ceriotti, Diagnostica e Ricerca San Raffaele S.p.A.
		Wenxiang Chen, National Center for Clinical Laboratories, Ministry of Health
		Gerhard Schumann, Medizinische Hochschule Hannover
		Steve Wolf, Beckman Coulter, Inc.
		David Armbruster, Abbott Laboratories
		Craig Jackson, Hemosaga Diagnostics Corporation
		Shigeru Ueda, Hasahi Kasei Pharma Corporation
Metabolites and Substrates	Michael Welch, National Institute of Standards and Technology (NIST)	Xu Bei, National Institute of Metrology (NIM)
		Norihiko Kayahara, Kyowa Medex Co., Ltd.
		Steve Wolf, Beckman Coulter, Inc.
		David Armbruster, Abbott Laboratories
		Wenxiang Chen, National Center for Clinical Laboratories, Ministry of Health
		Lothar Siekmann, University Hospital Bonn, DGKL Reference Laboratory
		Hanspeter Andres, Federal Office of Metrology (METAS)
Microbial Serology	Claude Giroud, Bio-Rad Laboratories	Ian Sharp, Health Protection Agency
Non-electrolyte Metals	Lee Yu, National Institute of Standards and Technology (NIST)	Koichi Chiba, National Metrology Institute of Japan (NMIJ)
		Andrea Held, Institute for Reference Materials and Measurements (IRMM)
		Heinrich Kipphardt, Federal Institute for Materials Research and Testing (BAM)
		Patrick J. Parsons, New York State Department of Health
		Detlef Schiel, Physikalisch-Technische Bundesanstalt (PTB)
		Ralph Sturgeon, National Research Council Canada (NRC-C)
		Xingrong Zhang, Tsinghua University of China
Non-peptide Hormones	Heinz Schimmel, Institute for Reference Materials and Measurements (IRMM)	Lothar Siekmann, University Hospital Bonn
		Xu Bei, National Institute of Metrology (NIM)
		Wenxiang Chen, National Center for Clinical Laboratories, Ministry of Health
		Linda Thienpont, University of Ghent
Nucleic Acids	Helen Parkes, LGC Ltd	Tomoshige Hori, Japan Bioindustry Association
		Heinz Schimmel, Institute for Reference Materials and Measurements (IRMM)
		Roberta Madej, Clinical and Laboratory Standards Institute (CLSI)
		Lisa Kalman, Centers for Disease Control and Prevention (CDC)
		Joan Gordon, Maine Molecular Quality Controls, Inc
		Marcia J. Holden, National Institute of Standards and Technology (NIST)
Proteins	David Bunk, National Institute of Standards and Technology (NIST)	Paul Wallace, Quality Control in Molecular Diagnostics (QCMD)
		Katsuhiko Yamamoto, Fujirebio Inc.
		Chandra Jain
		A. Myron Johnson, University of North Carolina School of Medicine
		Mauro Panteghini, University of Milan
Quality Systems	Craig Jackson, Hemosaga Diagnostics Corporation	Chris Burns, National Institute for Biological Standards and Control (NIBSC), Division of Endocrinology
		David Diewer, National Institute of Standards and Technology (NIST)
		Robert Wielgosz, Bureau International des Poids et Mesures (BIPM)
		Katherine Sharpless, National Institute of Standards and Technology (NIST)
Vitamins	Katherine Sharpless, National Institute of Standards and Technology (NIST)	Alan Squirrel, International Laboratory Accreditation Cooperation (ILAC)
		Donald Wiebe, University of Wisconsin School of Medicine & Public Health
		Christine Pfeiffer, Centers for Disease Control and Prevention (CDC)

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JCTLM-WG2: Reference Measurement Services		
Analyte Category	Review Team Leader	Review Team Members
Blood cell counting	Lili Wang, National Institute of Standards and Technology (NIST)	Mingting Peng , National Center for Clinical Laboratories
		Yohko Kawai , International University of Health and Welfare
		Johannes J. Hoffmann , Abbott Diagnostics Division
		Giuseppe d'Onofrio , Catholic University of Rome
Drugs	Andre Henrion, Physikalisch-Technische Bundesanstalt (PTB)	Lothar Siekmann , University Hospital Bonn, DGKL Reference Laboratory
		Barbara Jones , United States Pharmacopeial Convention
		Christoph Seger , Institute of Medicinal and Chemical Laboratory Diagnostics, University Hospital Innsbruck
		Brian Keevil , University Hospital of South Manchester, Department of Clinical Biochemistry
Electrolytes and Blood Gases	Brigitte Toussaint, Institute for Reference Materials and Measurements (IRMM)	Stephen Long , National Institute of Standards and Technology (NIST)
		Christoph Ritter , Roche Diagnostics
		Samuel Wunderli , Federal Office of Metrology (METAS)
Enzymes	Mauro Panteghini, University of Milan	Ferruccio Ceriotti , Diagnostica e Ricerca San Raffaele S.p.A.
		Wenxiang Chen , National Center for Clinical Laboratories, Ministry of Health
		Gerhard Schumann , Medizinische Hochschule Hannover
Metabolites and Substrates	Michael Welch, National Institute of Standards and Technology (NIST)	Craig Jackson , Hemosaga Diagnostics Corporation
		Wenxiang Chen , National Center for Clinical Laboratories, Ministry of Health
		Lothar Siekmann , University Hospital Bonn, DGKL Reference Laboratory
Non-electrolyte Metals	Lee Yu, National Institute of Standards and Technology (NIST)	Gerhard Schumann , Medizinische Hochschule Hannover
		Koichi Chiba , National Metrology Institute of Japan (NMIJ)
		Andrea Held , Institute for Reference Materials and Measurements (IRMM)
		Heinrich Kipphardt , Federal Institute for Materials Research and Testing (BAM)
		Patrick J. Parsons , New York State Department of Health
		Detlef Schiel , Physikalisch-Technische Bundesanstalt (PTB)
Non-peptide Hormones	Heinz Schimmel, Institute for Reference Materials and Measurements (IRMM)	Ralph Sturgeon , National Research Council Canada (NRC-C)
		Xingrong Zhang , Tsinghua University of China
		Lothar Siekmann , University Hospital Bonn
Proteins	David Bunk, National Institute of Standards and Technology (NIST)	Wenxiang Chen , National Center for Clinical Laboratories, Ministry of Health
		Linda Thienpont , University of Ghent
		Mauro Panteghini , University of Milan