

Review Team Leader and Members of Working Group 1 of JCTLM
Reference Materials and Measurement Methods/Procedures

Analyte Category	Review Team Leader	Review Team Members
Blood cell counting	Keiji Fujimoto , Sysmex Corporation	Noami Culp , Beckman coulter, Inc.
		Mingting Peng , National Center for Clinical Laboratories
		Yohko Kawai , International University of Health and Welfare
		Lili Wang , National Institute of Standards and Technology (NIST)
Blood Groupings	Susan Thorpe , National Institute for Biological Standards and Control (NIBSC), Division Haematology	Joerg Neukammer , Physikalisch-Technische Bundesanstalt (PTB)
		John Allan , Alba Bioscience
		Toshiaki Mizuochi , National Institute of Infectious Diseases
		Kathleen Reis , Ortho-Clinical Diagnostics
Coagulation Factor	Elaine Gray , National Institute for Biological Standards and Control (NIBSC)	Craig Jackson , Hemosaga Diagnostics Corporation
		Barry Woodhams , Stago R&D
		Steve Kitchen , Royal Hallamshire Hospital, Department of Coagulation
		Steffen Rosen , Rossix
Drugs	Andre Henrion , Physikalisch-Technische Bundesanstalt (PTB)	Lothar Siekmann , University Hospital Bonn, DGKL Reference Laboratory
Electrolytes and Blood Gases	Gerhard Schumann Medizinische Hochschule Hannover	Chandra Jain , Beckman Coulter, Inc.
		Stephen Long , National Institute of Standards and Technology (NIST)
		Christoph Ritter , Roche Diagnostics
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.
		Hideo Misaki , KAINOS Lab. Inc
		David Armbruster , Abbott Laboratories
		Craig Jackson , Hemosaga Diagnostics 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.
		Mary Kimberly , Centers for Disease Control and Prevention (CDC)
		David Armbruster , Abbott Laboratories
		Wenxiang Chen , National Center for Clinical Laboratories, Ministry of Health
		Lothar Siekmann , University Hospital Bonn, DGKL Reference Laboratory
Microbial Serology	Morag Ferguson , National Institute for Biological Standards and Control (NIBSC), Division of Endocrinology	Claude Giroud , Bio-Rad Laboratories
		Toshiaki Mizuochi , National Institute of Infectious Diseases
		Ian Sharp , Health Protection Agency
		Koichi Chiba , National Metrology Institute of Japan (NMIJ)
Non-electrolyte Metals	Lee Yu , National Institute of Standards and Technology (NIST)	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
		Lothar Siekmann , University Hospital Bonn
Non-peptide Hormones	Heinz Schimmel , Institute for Reference Materials and Measurements (IRMM)	Xu Bei , National Institute of Metrology (NIM)
		Wenxiang Chen , National Center for Clinical Laboratories, Ministry of Health
Nucleic Acids	Helen Parkes , LGC Ltd	Tomoshige Hori , Japan Bioindustry Association
		Heinz Schimmel , Institute for Reference Materials and Measurements (IRMM)
		Morag Ferguson , National Institute for Biological Standards and Control (NIBSC), Division of Endocrinology
		Roberta Madej , Roche Molecular Systems, Inc.
		Lisa Kalman , Centers for Disease Control and Prevention (CDC)
Proteins	David Bunk , National Institute of Standards and Technology (NIST)	Joan Gordon , Maine Molecular Quality Controls, Inc
		Katsuhiko Yamamoto , Fujirebio Inc.
		Chandra Jain , Beckman Coulter, Inc.
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		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 Duerer , 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 Squirrell , International Laboratory Accreditation Cooperation (ILAC)
		Franz Ulberth , Institute for Reference Materials and Measurements (IRMM)
		Donald Wiebe , University of Wisconsin School of Medicine & Public Health
		Christine Pfeiffer , Centers for Disease Control and Prevention (CDC)

**Review Team Leader and Members of Working Group 2 of JCTLM
Reference Measurement Services**

Analyte Category	Review Team Leader	Review Team Members
Blood cell counting	Keiji Fujimoto , Sysmex Corporation	Mingting Peng , National Center for Clinical Laboratories
		Yohko Kawai , International University of Health and Welfare
		Lili Wang , National Institute of Standards and Technology (NIST)
Drugs	Andre Henrion , Physikalisch-Technische Bundesanstalt (PTB)	Lothar Siekmann , University Hospital Bonn, DGKL Reference Laboratory
Electrolytes and Blood Gases	Gerhard Schumann , Medizinische Hochschule Hannover	
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
		Craig Jackson , Hemosaga Diagnostics Corporation
Metabolites and Substrates	Michael Welch , National Institute of Standards and Technology (NIST)	Mary Kimberly , Centers for Disease Control and Prevention (CDC)
		Wenxiang Chen , National Center for Clinical Laboratories, Ministry of Health
		Lothar Siekmann , University Hospital Bonn, DGKL Reference Laboratory
		Gerhard Schumann , Medizinische Hochschule Hannover
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)
Non-peptide Hormones	Heinz Schimmel , Institute for Reference Materials and Measurements (IRMM)	Lothar Siekmann , University Hospital Bonn
		Wenxiang Chen , National Center for Clinical Laboratories, Ministry of Health
Proteins	David Bunk , National Institute of Standards and Technology (NIST)	Mauro Panteghini , University of Milan