

ENVIRONMENT SCAN REPORT

Metabolites & Substrates

Review team

Dec. 2016

CURRENT STATUS OF ENTRIES IN THE JCTLM DATABASE– METABOLITES & SUBSTRATES

- ✘ Total 40 measurands, including 17 amino acids and 3 vitamins
- ✘ Typical metabolites like cholesterol, glycerides, glucose, uric acid, urea, creatinine, have relatively complete entries for serum(RM, RMP and RMS)
- ✘ Measurands like glucose, uric acid, urea, creatinine also have partly complete entries for urine (pure RM, RMP and RMS)
- ✘ For really triglycerides, there is no RMS entries.
- ✘ For free glycerol there is no RM and RMS entries.

CURRENT STATUS OF ENTRIES IN THE JCTLM DATABASE– METABOLITES & SUBSTRATES

- ✘ For amino acids only have pure materials and one solution with 17 amino acid components. There is no matrix materials neither service entries.
- ✘ For homocysteine there is only serum matrix material, and for vitamins there are only RMP entries.
- ✘ For total bilirubin, pure material is out of stock and new batch material is not provided.
- ✘ There is no RM, RMP and RMS for direct bilirubin.

KEY MEASURANDS FOR WHICH REFERENCE MEASUREMENT SYSTEM COMPONENTS EXIST THAT ARE NOT YET COVERED

✘ unknown

NEW STANDARDIZATION PROJECTS UNDERWAY

✘ Unknow

A CONTACT LIST FOR RM PRODUCERS, RMP DEVELOPERS AND RMS PROVIDERS

Contact information						
Organisation Acronym	Organisation Full Name	Country	Contact person	email address	Phone	A: producer of RM B: developer of RMP C: provider of RMS
NMIJ	National Metrology Institute of Japan	JP	Akiko Takatsu	akiko-takatsu@aist.go.jp	81-29-861-6394	A
NIM	National Institute of Metrology,China	CN	Xu Bei	xubei@nim.ac.cn	861064228593	A,B
NCCL	National Center for Clinical Laboratories	CN	Dr. Wenxiang Chen	wxchen@nccl.org.cn	861058115059	A,B,C
HSA	Health Sciences Authority	SG	LIU Qinde	LIU_Qinde@hsa.gov.sg	(65) 67751605 ext 102	A,B,C?
KRISS	Korea Research Institute of Standards and Science	KR	Hwashim Lee	eclhs@kriss.re.kr	+82-42-868-5349	A,B
LNE	Laboratoire National de Métrologie et d'Essais	FR	Dr Vincent DELATOUR	vincent.delatour@lne.fr	+33 (0) 140 434 075	A,B,C
LGC	LGC Limited	UK	Nick Boley	nick.boleyn@lgc.co.uk	+44 2089437311	A
IRMM	Institute for Reference Materials and Measurements	BE	Dr. Hendrik Emons	Hendrik.Emons@cec.eu.int	32/14-571889	A,B?
NIST	National Institute of Standards and Technology	US	Karen Phinney	karen.phinney@nist.gov	1-(301) 975-4457?	A,B
CDC	CDC (Centers for Disease Control and Prevention)	US	Uliana Danilenko	Udanilenko@cdc.gov	1-770-488-7346	B,C
GPHCM	Guangdong Provincial Hospital of Chinese Medicine	CN	Xianzhang Huang	huangxz2020@163.com	+862081887233-32908	B,C
WEQAS	Cardiff & Vale NHS Trust	UK	David Ducrocq	Dave@weqas.com	+44 (0) 2029 748355	B?,C
INSTAND e.V.	INSTAND e. V. Gesellschaft zur Förderung der Qualitätssicherung in medizinischen Laboratorien	DE	Dr. Patricia Kaiser	kaiser@instand-ev.de	+49-(0)211-15921337	C
CIRME	Centro Interdipartimentale Per La Riferibilita' Metrologica In Medicina Di Laboratorio - Universita' Di Milano	IT	PROF. MAURO PANTEGHINI	mauro.panteghini@unimi.it	+39 0239042806	C
Maccura	Sichuan Maccura Biotechnology Co., Ltd. Reference System Dept.	CN	Lei Lv / Yang Tao	yangtao@maccura.com	+86-(0)28-87826777	C
ReCCS	Reference Material Institute for Clinical Chemistry Standards	JP	Hirohito Umemoto	h-umemoto@reccs.net	81-44-850-3140	A,B?,C
HT711	Beijing Aerospace General Hospital Reference Laboratory	CN	Baorong Chen	jyk711@sina.com	861068383953	A?B,C
DGKL	DGKL Reference Laboratory	DE	Dr. Anja Kessler	anja.kessler@ukb.uni-bonn.de	49-228-28715911	B,C
Roche	Roche Diagnostics GmbH (RDG)	DE				C