Joint Committee for Traceability in Laboratory Medicine (JCTLM)

Supporting Traceability in Laboratory Medicine for accurate results in patient care

The JCTLM is a committee formed by the BIPM, IFCC, ILAC and ICSH to support world-wide comparability, reliability and equivalence of measurement results in Laboratory Medicine for the purpose of improving health care and facilitating national and international trade in *in vitro* diagnostic devices.

The JCTLM partners include 63 organizations from 23 countries.

Bureau International des Poids et Mesures

ilac

IFCC International Federation of Clinical Chemistry and Laboratory Medicine

ICSH

Promoting NMI services to the health care sector and IVD Industry

JCTLM web portal on traceability for laboratory medicine www.jctlm.org

JCTLM
Accurate results for patient care
Laboratory medicine and in vitro diagnostics
CONTACT US   NEWS

JCTLM Database: higher-order reference materials, methods and services

www.jctlmdb.org

The JCTLM maintains a database of available higher order reference materials, reference measurement procedures, and laboratory measurement services originally required by the *in vitro* diagnostic industry to meet the ED 98/97/EC on *In Vitro* Diagnostic Medical Devices, and now replaced with a Regulation.

The JCTLM Database content:

265	215	224
Materials	Methods	Services

Biennial JCTLM Members' and Stakeholders' Meeting

Report of 2021 JCTLM/IFCC/ICHCLR workshop on *Overcoming challenges regarding reference materials and regulations that influence global standardization of medical laboratory testing result*

Clin. Chem. Lab. Med. 17 October 2022
https://doi.org/10.1515/cclm-2022-0943

Supporting developments in digital metrology services within the NMI community

Reference measurement system components accessible via text search engine
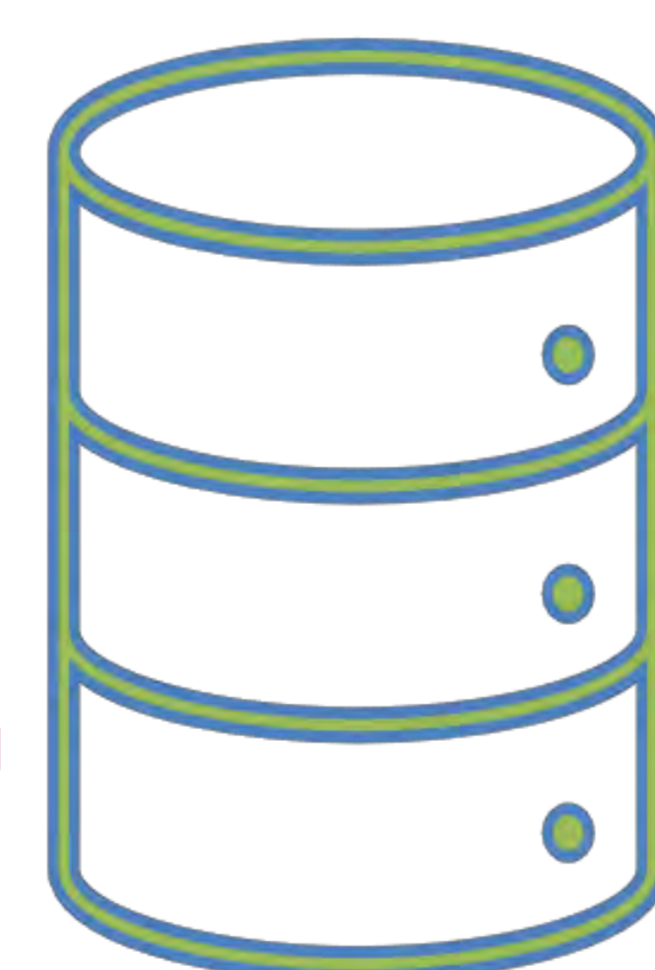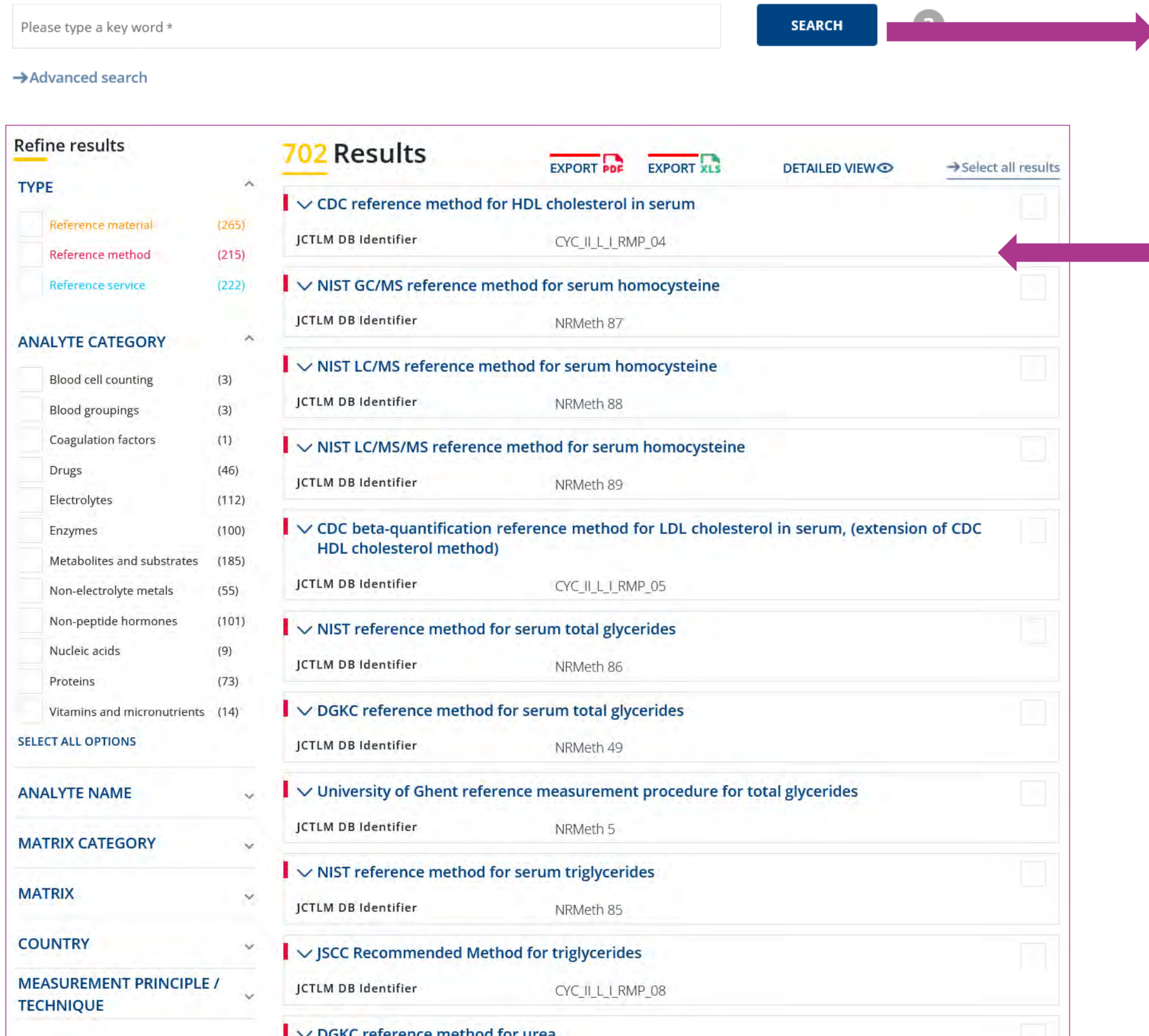
www.jctlmdb.org

JCTLM
Accurate results for patient care

Application and Programming Interface for published reference materials, methods and services.

-API JCTLM -

Search database

Please type a key word *   SEARCH

→Advanced search

Refine results

702 Results   EXPORT PDF   EXPORT XLS   DETAILED VIEW   →Select all results

TYPE	
Reference material	(265)
Reference method	(215)
Reference service	(222)

∨ CDC reference method for HDL cholesterol in serum
JCTLM DB Identifier   CYC_II_L_I_RMP_04

ANALYTE CATEGORY	
Blood cell counting	(3)
Blood groupings	(3)
Coagulation factors	(1)
Drugs	(46)
Electrolytes	(112)
Enzymes	(100)
Metabolites and substrates	(185)
Non-electrolyte metals	(55)
Non-peptide hormones	(101)
Nucleic acids	(9)
Proteins	(73)
Vitamins and micronutrients	(14)

SELECT ALL OPTIONS

∨ NIST GC/MS reference method for serum homocysteine
JCTLM DB Identifier   NRMeth 87

∨ NIST LC/MS reference method for serum homocysteine
JCTLM DB Identifier   NRMeth 88

∨ NIST LC/MS/MS reference method for serum homocysteine
JCTLM DB Identifier   NRMeth 89

∨ CDC beta-quantification reference method for LDL cholesterol in serum, (extension of CDC HDL cholesterol method)
JCTLM DB Identifier   CYC_II_L_I_RMP_05

∨ NIST reference method for serum total glycerides
JCTLM DB Identifier   NRMeth 86

∨ DGKC reference method for serum total glycerides
JCTLM DB Identifier   NRMeth 49

ANALYTE NAME

∨ University of Ghent reference measurement procedure for total glycerides
JCTLM DB Identifier   NRMeth 5

MATRIX CATEGORY

∨ NIST reference method for serum triglycerides
JCTLM DB Identifier   NRMeth 85

MATRIX

COUNTRY

∨ JSCC Recommended Method for triglycerides
JCTLM DB Identifier   CYC_II_L_I_RMP_08

MEASUREMENT PRINCIPLE / TECHNIQUE

∨ DGKC reference method for urea

Programmed query

Machine readable data

- Supports development of user specific applications
- Avoids spending time manually checking and following changes in the JCTLM Database
- JCTLM Data can be added to digital products e.g. calibration certificates, digital metrological traceability statements, meeting conformity and regulatory requirements
- User has up-to-date database information