

High Purity Substances

Preservatives

HRM-1002A Benzoic Acid
HRM-1018A Sorbic Acid
HRM-1003A Methyl Paraben
HRM-1004A n-Butyl Paraben
HRM-1022A n-Propyl Paraben

Artificial Sweeteners

HRM-1009A Sodium Cyclamate
HRM-1010A Saccharin
HRM-1012A Acesulfame Potassium
HRM-1015A Sucralose
HRM-1019A Aspartame

Amino Acids

HRM-1006A L-Valine
HRM-1007A L-Proline
HRM-1008A L-Leucine
HRM-1013A L-Isoleucine
HRM-1014A L-Phenylalanine

Contaminants

HRM-1017A Benzo[a]pyrene
HRM-1026A 4-Cumylphenol
HRM-1033A Histamine Dihydrochloride

Pharmaceutical Drugs

HRM-1016A* Carbamazepine
HRM-1027A* Sibutramine Hydrochloride Monohydrate

Impurity in Organic Compound

HRM-1028A Total non-volatiles in n-butyl paraben (for Thermogravimetric Analysis)

* HRM-1016A and HRM-1027A are controlled as poisons under the Poisons Act in Singapore. For purchases made outside of Singapore, an authorisation letter or permit issued by the relevant local authority where the Purchaser is based is required.

Calibration Solution

HRM-1029A N-Nitrosodimethylamine (NDMA) in Methanol



Water

Inorganic Elements

HRM-2015A Aluminium, Antimony, Arsenic, Barium, Cadmium, Calcium, Chromium, Copper, Lead, Manganese, Molybdenum, Nickel & Selenium in Water

HRM-2016A Mercury in Water

Food & Beverages

Food Additives

HRM-1021A Preservatives in Soy Sauce
HRM-1025A Artificial Sweeteners in Soft Drink

Organic Contaminants

HRM-1024A Benz[a]anthracene and Benzo[a]pyrene in Olive Oil
HRM-1030A Fipronil and Fipronil Sulfone in Chicken Egg Powder

Inorganic Elements & Species

HRM-2003A Arsenic, Cadmium, Calcium & Lead in Mushroom Powder
HRM-2008B Cadmium, Lead, Total Arsenic & Arsenic Species in Apple Juice
HRM-2013A Arsenic, Cadmium & Lead in Herbal Material
HRM-2019A Inorganic Elements in Infant Formula
HRM-2020A Inorganic Elements and Arsenic Species in Cricket Powder

Cosmetics

HRM-2012A Arsenic, Copper, Mercury & Lead in Lipstick
HRM-2014A Arsenic, Cadmium, Mercury & Lead in Lipstick
ARMN M001 / HRM-2018A Arsenic, Cadmium & Lead in Lipstick

About Our CRMs

Our CRMs are produced in accordance with the requirements of ISO 17034 and ISO Guide 35. A comprehensive Certificate of Analysis (CoA) is provided with each CRM.

For more information on our CRMs and their pricings, please contact us *via* email at HSA_CML@hsa.gov.sg.

Quality Control in Clinical Chemistry

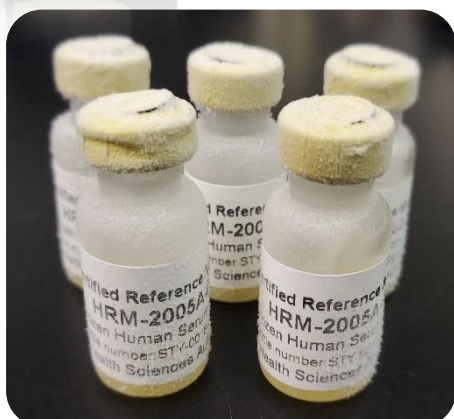
Certified Reference Materials
Chemical Metrology Laboratory, HSA
Date of Issue: 5 Jan 2024



About Our Certified Reference Materials (CRMs)

HSA CRMs serve as independent quality controls for clinical laboratories. Our CRMs are produced in accordance with the requirements of ISO 17034 and ISO Guide 35.

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Human Serum

HRM-3005A

Cortisol

HRM-3006A

Testosterone

HRM-3007A

Creatinine • Glucose • Urea • Uric Acid

HRM-3008A

Total Cholesterol • HDL-Cholesterol • LDL-Cholesterol • Total Glycerides

HRM-2002A

Sodium • Potassium • Calcium

HRM-2005A

Calcium • Potassium • Sodium • Magnesium • Iron • Chloride

HRM-2011A

Sodium • Chloride • Copper • Selenium • Phosphorous

Human Urine

HRM-3004A

Albumin • Creatinine

Human Blood

HRM-3003B

Glycated haemoglobin (HbA1c)

Peptide Solutions

HRM-3010A

Glycated VHLTPe Peptide Solution

HRM-3011A

VHLTPe Peptide Solution

The CRMs are stable for a long term when stored below -60°C, except for peptide solutions are to be stored at -20°C.