mlm medical labs®

Our parameters

sorted by category

Good Clinical Laboratory Practice

Q4/2020

Our parameters

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Amino acids

α-Aminobuteric acid[1]
Alanine [1]
Alanyl-glutamine-dipeptid [1,2]
Arginine [1]
Asparagine [1]
Aspartic acid[1]
Citrulline [1]
Cystine [1]
Glutamic acid [1]
Glutamine [1]
Glycine [1]
Histidine [1]
Homocysteine [1]
Hydroxyproline [1]
Isoleucine [1]
Leucine
Lysine [1]
Methionine [1]
Ornithine [1]
Phenylalanine [1]
Serine [1]
Taurine [1]
Threonine [1]
Tryptophan [1]
Tyrosine [1]
Valine[1]

Autoantibodies

Anti-Cardiolipin IgG, IgM [1]
Anti-Centromere B antibodies [1]
Anti-Deamidated gliadin peptide (DGP) IgA, IgG [1]
Antinuclear antibodies (ANAs) [1]
Cytoplasmic antigens (IFT) AB [1]
ENA-Panel [1]
Glutamate-decarboxylase AB [1]
Insulin AB [1]
Liver-Kidney Microsomes (LKM) AB [1]
Mitochondria (AMA) AB [1]
Myeloperoxidase (MPO, p-ANCA) AB [1]
Proteinase 3 (PR3) (c-ANCA) AB [1,17]
Smith-antigen antibodies [1]
Tissue Transglutaminase AB [1]
Tyrosin-phosphatase (IA-2) AB [1]
Zn-Transporter 8 AB [1]

Bone metabolism

β-CrossLaps [1,6]
Clock interacting protein circadian (CiPC) [1]
Collagen-I-telopeptide [1]
C-terminal telopeptide (CTX) [4]
N-terminal telopeptide (NTX) [1,4]
Ostase [1]
Osteocalcin[1]
Osteoprotegerin [6,14]
Parathyroid hormone (PTH) active [1,6]
Procollagen-III-peptide (N-term.) [1]
Procollagen-I-N-propeptide (N-term.) [1]

Cardiac diagnostics

Atrial natriuretic hormone [1,6,14]
Brain natriuretic peptide (BNP) [1,6]
CT-proAVP (Copeptin) [6]
Endothelin-1 [6]
Galectin-9
Heart-type fatty acid binding protein (hFABP) [1,4]
Mid-regional proadrenomedullin (MR-proADM) [6]
N-terminal proatrial natriuretic peptide (NT-pro ANP) [1,6,14]
N-terminal prohormone of brain natriuretic peptide (NT-pro BNP) [1]
Troponin I [1]
Troponin T hs [1]

Catecholamines

3,4-Dihydroxyphenylacetic acid [4]
Adrenaline [4,14,22]
Dopamin [22]
Homovanillic acid [4]
Metanephrines [4]
Noradrenaline [4,14,22]
Normetanephrine [4]
Vanillylmandelic acid [4]

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Clinical chemistry

α-amylase-isoenzymes [1]
1,25-Dihydroxy-Vitamin D3 [1, 12]
1,5-Anhydroglucitol [1]
Albumin [1, 4, 7, 8, 10, 16]
Alkaline phosphatase [1]
Alkaline phosphatase bone isoenzyme [1]
Alkaline phosphatase liver isoenzyme [1]
Ammonia [2, 6, 14]
Amylase [1]
Antistreptolysine titer (ASL, AST) [1]
Asymetric dimethylarginine (ADMA) [6]
Bacteria [4]
Bicarbonate [1, 4]
Bile salts [1, 12]
Bilirubin [4]
Bilirubin, direct [1]
Bilirubin, total [1]
Bilirubin, unconjugated
Calcium [1, 4]
Carnitine free [1]
Carnitine total [1]
Casts [4]
Chloride [1, 4, 20]
Cholesterol [1]
Cholinesterase [1]
Citrate [1]
C-reactive protein high sensitive (CRPhs) [1]
Creatinine [1, 4]
Creatinine Kinase (CK) [1]
Creatinine Kinase BB (CK-BB) [1]
Creatinine Kinase MB (CK-MB) [1]
Creatinine Kinase MM (CK-MM) [1]
Crystals [4]
Epithelial cells [4]
Erythrocyte sedimentation rate (ESR) [9]
Erythrocytes [4]
Fructosamine [1]
Glutamate dehydrogenase (GLDH) [1]
Glutamate-pyruvate transaminase (GPT) // Alanine transaminase (ALT) [1]
Glutamic oxaloacetic transaminase (GOT) // Aspartate transaminase (AST) [1]
Hyaluronic acid
Hydroxybutyrate dehydrogenase (HBDH) [1]
IgM [1, 4]
Intestinal AP isoenzymes [1]
Iron [1]
Ketone bodies [4]
Lactate [5]
Lactate dehydrogenase (LDH) [1]
Lactate dehydrogenase (LDH) isoenzymes
Lactic acid [20]
Lipase [1]
Macro amylase [1]
Macro-CK [1]
Magnesium [1, 4]
N-Acetyl-glucosaminidase [4]
Nitrate [1]
Nitrite [1, 4]
Osmolality [1, 4]
Pancreatic amylase [1]
pH [1]
Phosphate [1, 4]
Phosphorus (inorganic) [1]
Plazenta-isoenzymes [1]
Potassium [1, 4, 20]
Protein [4]
Pyruvate [2*]
Round epithelial cells [4]
Salivary amylase [1]
Sodium [1, 4, 20]
Specific gravity [4]
Symmetric Dimethylarginine (SDMA) [1]
Total protein [1, 4, 7, 8]
Triglycerides [1]
Urea [1, 4, 6, 13]
Urea-N [1]
Uric acid [1, 4]
Urine sediment [4]
Urine status
Urobilinogen [4]

Coagulation factors

Factor IIa [3]
Factor III [3]
Factor Va [3]
Factor VIIa [3]
Factor VIIIa [3]
Factor IXa [3]
Factor Xa [3]
Factor XI antigen [3]
Factor XIa [3, 3**]
Factor XII antigen [3]
Factor XIIa [3]
Factor XIII antigen [3]
Ristocetin-Cofactor (vWF:RCo) [3]
von Willebrand factor antigen [3]

* deproteinized, ** heparinized

Our parameters

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Complement system

Complement component 1q, IgG [1]
CH50 [12]
Complement factor C3a, C3c [1, 6, 12]
Complement factor C4 [1, 12]
Complement factor C5a [2, 6]
Complement fragment Bb+ [6]

Cytokines and growth factors

Chemokine (C-C motif) ligand (CCL) 18 [6]
Fibroblast growth factor (FGF) 2 [6]
Fibroblast growth factor (FGF) 19 [1]
Fibroblast growth factor (FGF) 21 [1]
Human hepatocyte growth factor (HGF) [1]
Human soluble gp130 [1]
Interleukin 1 alpha (IL-1α) [1, 6]
Interleukin 1 alpha (IL-1β) [1, 6]
Interleukin 1 receptor-like 1 (IL-1 R4, ST2) [6]
Interleukin 2 (IL-2) [1, 6, 16]
Interleukin 4 (IL-4) [1, 6, 16]
Interleukin 5a (IL-5a) [6]
Interleukin 6 (IL-6) [1, 4, 6, 13, 16]
Interleukin 6 (IL-6) receptor [1]
Interleukin 7a (IL-7a) [6]
Interleukin 8 (IL-8) [1, 6, 16]
Interleukin 10 (IL-10) [1]
Interleukin 12p70 (IL-12p70) [1]
Interleukin 13 (IL-13) [1]
Interleukin 15 (IL-15) [1, 6]
Interleukin 16 (IL-16) [1, 6]
Interleukin 17A (IL-17A) [6]
Interleukin-29 (IL-29)/Interferon Lambda 1 [1]
Interleukin 33 (IL-33)
Macrophage-1 antigen (Mac-1)
Placenta growth factor [1]
Platelet-derived growth factor -BB [1]

Drugs and pharmaceuticals

Amphetamines/Methamphetamines [4]
Analgetics [4]
Barbiturates [4]
Benzodiazepines [4]
Cannabis [1, 4]
Carbohydrate-deficient transferrin (CDT) [1]
Cocaine [4]
Cotinine [4]
Drug Screen (GCMS) [4]
Ethanol [1, 4, 5]
Ethylglucuronid [1, 4]
Methadone [4]
Methaqualon [1]
Opiates [4]
Phencyclidine [4]
Psychopharmaca [4]
Thiethlperazine [6]
Tricyclic antidepressants [4]

Endocrinology

β-hCG [1]
5-Hydroxyindolacetic acid [4]
11-Dehydro-Thromboxane B2 i. U. [4]
17-β-Estradiol [1]
Adiponectin [1]
Adrenocorticotropic hormone (ACTH) [2, 6, 14]
Advanced glycation end products [1, 2*]
Aldosterone [1, 12]
Androstendione [1]
Angiotensin converting enzyme (ACE) [1]
Angiotensin I [6, 19]
Antidiuretic hormone (ADH) // Vasopressin [14]
Anti-human thyreoglobine [1]
Anti-Müllerian hormone (AMH) [1]
Anti-thyreoid peroxidase [1]
Calcitonin [12]
c-AMP [6]
Cortisol [4, 12, 17]
cyclic GMP (cGMP) [4, 6]
DHEA [1]
DHEA-S [1]
Dihydrotestosterone (DHT) [1]
Eotaxin-3 [6]
Epidermal growth factor [4]
Estrone [1]
Follicle-stimulating hormone (FSH) [1]
Gastrin [1]
Granulocyte-macrophage colony-stimulating factor (GM-CSF) [6]
Histamine [14]
Human Clara cell protein (CC-16) [1]
Human growth hormone (hGH) [1]
Insulin-like growth factor 1 (IGF-1) [1, 12]
Insulin-like growth factor 2 (IGF-2) [1]
Insulin-like growth factor-binding protein 3 (IGFBP-3) [1]
Interferon alpha (IFN-α) [12]
Interferon alpha-2a (IFNα2a) [1]

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Interferon beta (IFN-β) [12]
Interferon gamma (IFNγ) [1, 6, 12, 16]
Interferon gamma (IFNγ) inducible protein [1, 6]
Interleukin-1 receptor antagonist (IL-1RA) [1]
Interleukin 2 receptor alpha chain (IL-2RA), soluble [19]
Interleukin 18 (IL-18) [1]
Interleukin 18 (IL-18) binding protein [1]
KL-6 [1, 6]
Leptin [1]
Luteinizing hormone (LH) [1]
Macrophage inflammatory protein 1 alpha (MIP-1α) [1]
Macrophage inflammatory protein 1 beta (MIP-1β) [1]
MCP-1 [1]
Melatonin [1, 12]
Methylhistamin [4]
Neuropeptide Y (NPY) [1]
Obestatin [1, 6]
OPN [6]
Peptide Tyrosine Tyrosine (PYY) [6]
Progesterone [1]
Prolactin [1]
Renin (PRC) [14]
Renin activity [6]
Resistin [1]
Secretin [1]
Serotonin [1]
Sex-hormone-binding globulin (SHBG) [1]
Somatostatin [1]
sRAGE [1]
Surfacant protein D [1]
Testosterone [1]
Testosterone, free [1]
Transforming growth factor beta (TGF-β) [1]
Thromboxane B2 [2]
Tumor necrosis factor alpha (TNFα) [1, 6, 13, 16]
Tumor necrosis factor beta (TNFβ) [1]
TSH-receptor autoantibodies [1, 12]
Vascular endothelial growth factor [1]
Visfatin [1]

Genetic analysis

BRAF mutations [18]
Butyrylcholinesterase K polymorphism (A539T) [2]
CYP17A1/CYP17A2 [2]
CYP2C9 [2]
CYP2C19 [2]
CYP2D6 [2]
Factor II-polymorphism G20210A [2]
KRAS mutations [18]
VKORC1 [2]

HLA Typing

HLA-A [2]
HLA-B [2]
HLA-C [2]
HLA-DPB1 [2]
HLA-DQB1 [2]
HLA-DRB1 [2]
HLA-I [2]
HLA-II [2]

Glucose metabolism

Acid phosphatase [1]
C-Peptide [1, 4, 6]
Gamma-glutamyl transferase (GGT) [1]
Gastric inhibitory peptide (GIP) [6]
Gastric inhibitory polypeptide (GIP) active [19]
Glucagon [14, 19]
Glucagon-like peptide 1 (GLP1) active [19]
Glucagon-like peptide 1 (GLP1) total [6, 19]
Glucose [1, 4, 5, 6, 20]
Glyceraldehyde-3-phosphate dehydrogenase
HbA1c [2]
Insulin [1, 6]
Insulin glulisine [1, 7]
Insulin Lispro [1]
Isoinsulin [1]
Oxyntomodulin [6]
Pancreatic Polypeptide (PP) [1]
Proinsulin (intact) [1]

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Hematology

Basophile granulocytes [2]
Eosinophile granulocytes [2]
Erythrocytes [2]
Hematocrit [2]
Hemoglobin [2]
Leucocytes [2, 4]
Lymphocytes [2]
Mean corpuscular hemoglobin (MCH) [2]
Mean corpuscular hemoglobin concentration (MCHC) [2]
Mean corpuscular volume (MCV) [2]
Mean platelet volume (MPV) [2]
Monocytes [2]
Neutrophile granulocytes [2]
Platelets [2]
Red cell distrubution width (RDW)-CV [2]
Reticulocytes [2]
Total and differential blood count [2]

Hemostasis and thrombosis diagnostic

β-Thromboglobulin
Activated clotting time (ACT)
Activated Protein C [3]
Activated Protein S [3]
ADAMTS 13
Anti-IIa-activity [3]
Anti-Thrombin III [3, 3*]
Anti-Xa-activity [3]
aPTT [9]
aPTT Kaolin [3, 3**]
CXCL1/GRO-α [1]
CXCL4/PF4 [1]
D-Dimer [3, 9]
Diluted thrombin time (TT) [3]
E-Selectin [1]
Fibrin clot lysis
Fibrinogen [3, 9]
Fibrinopeptide A (FPA) [1]
Free Tissue Factor Pathway Inhibitor (TFPI)
Glycoprotein IIb-IIIa
Glycoprotein VI (GPVI)
International Normalized Ratio (INR) [3]
PF4-Heparin associated antibodies (HIT, type II) [9]
Plasminogen activator inhibitor-1 (PAI-1) [1]
Platelet glycoprotein 4 (GPIV)
Prothrombin fragment (F1+2) [3]
Prothrombin time (Quick) [3, 9]
P-Selectin [1]
Russell Viper Venom Test (RVVT)
Thrombin activatable fibrinolysis inhibitor [3]
Thrombin time (TT) [3]
Thrombin/Antithrombin 3 complex [3]
Thromboelastography (TEG)
Thrombomodulin [3]
Tissue plasminogen activator (tPA)
von Willebrand receptor (Glycoprotein IB-IX-V)

Immune hematology

Blood Group [1, 2]
B-Lymphocytes (CD19) [2]
B-Lymphocytes (CD20) [2]
$CD27^{-}CD19^{+}$
$CD19^{+}CD27^{+}$ [2]
$CD19^{+}CD27^{+}IgD^{-}IgM^{-}$ [2]
Direct Coomb's Test (DCT) [2]
Human soluble CD14 [2]
$CD19^{+}CD27^{+}IgD^{-}IgM^{+}$ [2]
$CD19^{+}CD27^{-}IgD^{+}$ [2]
$CD19^{+}CD27^{+}IgD^{+}IgM^{+}$ [2]
Other established surface markers: CD9, CD11, CD14, CD18, CD29, CD31, CD32, CD36, CD41, CD42, CD47, CD49, CD51, CD54, CD61, CD62, CD63, CD104, CD106, CD107, CD121, CD141, CD142, CD151, CD154, CD253

Rhesusfactor [1, 2]
Suppressor T-cells (CD8) [2]
T-Helper cells (CD4) [2]
T-Lymphocytes (CD3) [2]

* frozen, ** heparinized

Our parameters

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Inflammatory markers in stool

α-1-Antitrypsin in feces [20]
Calprotectin [6, 20, 21]
Hemoglobin + Hb/Haptoglobin Complex

Lipid metabolism

β-Hydroxybutyrate [1, 4]
7-α-hydroxy-4-cholesten-3-one [6]
12-Hydroxyeicosatetraenoic acid (HETE)
Acetaminophen (Paracetamol) [1]
Acetic acid [5, 20]
Apolipoprotein A1 [1]
Apolipoprotein B [1]
Butyric acid [20]
Free fatty acids [1, 6, 12, 14]
Glycerol [1, 6, 14]
HDL-cholesterol [1]
Isoutyric acid [20]
Isovaleric acid [20]
LDL-cholesterol [1]
L-Fatty Acid Binding Protein (L-FABP) [4, 6]
Lipid electrophoresis
Lipoprotein(a) [1]
Oxidized Low-Density Lipoprotein (Ox-LDL) [1, 6]
Propionic acid [5, 20]
Prostaglandin E2 [4]
Total ketone bodies [1, 4]
Valeric acid [20]
Very low density lipoprotein (VLDL) [1]

Markers of dementia

β-Amyloid (1-40) [6, 10]
β-Amyloid (1-42) [6, 10]
Phospho-Tau [10]
Tau-Protein [10*]

Microbiology

Blastocystis hominis [20]
Campylobacter [20]
Candida albicans
Chlamydophila pneumoniae [23]
Clostridium difficile [20]
Cryptosporidium [20]
Cyclospora cayetanensis [20]
Detection of Candida
Dientamoeba fragilis [20]
Entamoeba histolytica [20]
Enteroaggregative *Escherichia coli* (EAEC) [20]
Enteropathogene *Escherichia coli* (EPEC) [20]
Enterotoxigenic *Escherichia coli* (ETEC), LT+ST [20]
Escherichia coli O157 [20]
Gastrointestinal pathogens [20]
Giardia lamblia [20]
Helicobacter pylori
Mycobacterial reactivity [11]
Mycoplasma pneumoniae DNA [23]
Norovirus GI, GII [20]
Respiratory pathogens [21]
Rotavirus A [20]
Salmonella spp. [20]
Sapovirus [20]
Shiga toxin-producing *Escherichia coli* [20]
Shigella [20]
Vibrio cholerae [20]
Vibrio spp. [20]

* frozen

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Oxidative stress

3-Nitrotyrosine [6]
8-OH-2-Desoxyguanosin [4, 6]
Coenzyme Q10 [1, 14]
Glutathione, free [2, 7]
Glutathione, oxidized
Glutathione, total [2, 7]
Malondialdehyde (MDA²) [6, 14]
Nitrotyrosin [4]
Oxidative Stress [1]

Proteins

α_1-antitrypsin // alpha$_1$-proteinase inhibitor [1]
α-GST [4]
β_2-microglobulin [1]
γ-globulin [1]
Alpha-1-acid glycoprotein (α1AGp) [1]
Alpha-1-globulin [1]
Alpha-2-macroglobulin (α2M) [1, 16]
anti-CCP [1, 12]
anti-Rheumatoid factor IgM [1]
AP-50 hemolytic complement activity (alternative pathway) [1, 12]
B-cell lymphoma (Bcl-2)
C4
Caspase-3
Ceruloplasmin [1]
Cyfra 21-1 [1]
Cystatin C [1, 4]
Cytokeratine 18 [1]
Eosinophil cationic protein (ECP) [1]
Erythropoetine [1]
Ferritin [1]
Free hemoglobin [7, 8]
FRET Elastase [17, 21]
FRET Proteinase [17, 21]
Galectin-3 [1, 6]
GDF 15 [1, 6]
Gliadin [4]
Glucose-6-phosphate-dehydrogenase in erythrocytes [2]
Glutathione peroxidase [1, 2, 5, 6]
Glycated albumin [1]
Haptoglobin [1]
Hemosiderin [4]

HMGB1 [16]
Human Placenta Alkaline Phosphatase [1]
IgA [1, 20]
IgD [1]
IgE [1]
IgG [1]
Intenstinal-fatty acid binding protein (I-FABP) [4]
Inhibitors of apoptosis proteins (IAP)
Janus kinase/signal transducers and activators of transcription (JAK/STAT)
KIM-1 [1, 4]
Lectin-type oxidized LDL receptor (LOX-1)
Lipocalin-2/NGAL [1, 4]
Lipopolysaccharide-binding protein (LBP) [6]
Lipoprotein-associated phospholipase A2 (Lp-PLA2)
L-selectin
Matrix metallopeptidase (MMP) 1-13
MMP-2 [1]
MMP-7 [1]
MMP-8 [1]
MMP-9 [1]
Myeloperoxidase-activity (MPO) [4, 16]
Myoglobin [1, 4]
Neutrophil elastase active [17, 21]
Neutrophil elastase total [6, 17, 21]
Neuronal Specific Enolase (NSE) [1, 12]
p 53 Antigen Ab. [1]
Pancreatic elastase [1, 20]
PD-1
PECAM-1
Pentraxin 3 [6]
Phosphoinositide 3-kinases (PI3K)
Poly (ADP-ribose) polymerase (PARP)
Prealbumin (Transthyretin) [1]
Procalcitonin [1]
Procaspase activating compound (PAC)-1
Prostatic acide phospatase (PAP)
Protein-Electrophoresis
Rheumatoid factor (quant.)
S100 calcium-binding protein B (S100B)
S100 A8/A9 [1]
S100 A12 [1]
Sectretory IgA [4]
Serum Amyloid A (SAA)
sICAM-1 [6]
sPECAM-1 [1]
Spleen tyrosine kinase (Syk)
sVCAM-1 [1]
Tissue inhibitor of metalloproteinase-1 [1, 6]
Tissue inhibitor of metalloproteinase-4 [1, 6]
Tissue Polypeptide Antigen (TPA) [1, 12]
Transferrin [1, 4]
Transferrin receptor, soluble [1]
Transferrin saturation [1]
Tryptase [1]
Tumor Necrosis Factor Related Apoptosis

* frozen

Our parameters

Inducing Ligand (TRAIL)
Vascular adhesion protein-1 [6]
Vasodilator-stimulated phosphoprotein (VASP)
Vasopressin-activated calcium mobilizing protein (VACM)
Zonulin [1]

Proteinuria diagnostics

α_1-microglobulin [4]
β_2-microglobulin [4]

Serology of viral infections

Adenovirus [20]
anti HAV, IgG + IgM [1]
anti-*Borrelia* IgG, IgM [1]
anti-*Candida* IgG [1]
anti-*Chlamydia trachomatis* IgA, IgG [1]
anti-CMV IgG, IgM [1]
anti-Coxsackie virus IgG, IgM [1]
anti-EBV (VCA) IgG [1]
anti-EBV (VCA) IgM [1]
anti-EBV-NA (EBNA) IgG [1]
anti-Enterovirus IgG, IgM [1]
anti-FSME IgG, IgM [1]
anti-HAV IgM [1]
anti-HBc [1]
anti-HBc, IgM [1]
anti-HBe [1]
anti-HBs [1]
anti-HCV [1]

anti-HDV IgG, IgM [1]
anti-*Helicobacter pylori* IgA, IgG [1]
anti-HEV IgG, IgM [1]
anti-HIV 1+2 [1]
anti-HSV-1/2 IgG, IgM [1]
anti-HSV-1-IgG [1]
anti-HSV-2-IgG [1]
anti-Human Herpes Virus Type 6-IgG, IgM [1]
anti-Influenza A virus IgG, IgM, RNA, H1N1 virus RNA [1, 23]
anti-Influenza B virus IgG, IgM, RNA [1, 23]
anti-Measles IgG, IgM [1]
anti-*Parvovirus B19* IgG, IgM [1]
anti-*Rubella virus* IgG, IgM [1]
anti-SARS-CoV-2 [1]
anti-SARS-CoV-2 IgA, IgG [1]
anti-*Toxoplasma gondii* IgG, IgM [1]
anti-*Varicella zoster virus* IgA, IgG, IgM [1]
Astrovirus [20]

Candida antigen (AGL) [1]
CMV IgG avidity [1]
EBV DNA [1, 15]
HBeAg [1]
HBsAg [1]
HBV-DNA [1, 2, 6]
HCV-RNA [1, 2]
HDV-RNA [6]
Hepatitis B core-related antigen [1]
HEV-RNA [1, 2]
HIV 1-RNA [1, 2]
HIV 2-RNA [1, 2]
HIV-1 p24 Antigen [1]
HIV-1/2 combi [1]
HPV Genotyping [15]
SARS-CoV-2 RNA [15, 24]
Tetanus antitoxin [1]
TPHA [1]

Special hematology

Bacterial endotoxin (lipopolysaccharides) [1, 6]
Carboxyhemoglobin (COHb) [2]
Erythrocytes CD58 type III [2]
Erythrocytes CD59 type II [2]
Erythrocytes CD59 type III [2]
Erythrocytes-Morphology [2]
Granulocytes CD157 type II [2]
Granulocytes CD157 type III [2]
Granulocytes FLAER type II [2]
Granulocytes FLAER type III [2]
Human β-defensin-2 [20]
Lipopolysaccharides (LPS) [1, 6]
Monocytes CD157 type II [2]
Monocytes CD157 type III [2]
Monocytes FLAER type II [2]
Monocytes FLAER type III [2]
PNH - Diagnostics

Our parameters

Reticulocytes CD 58 type III [2]
Reticulocytes CD 59 type II [2]
Reticulocytes CD 59 type III [2]

Thyroid diagnostic

Free thyroxine (FT4) [1]
Free triiodothyronine (FT3) [1]
Triiodothyronine (T3), total [1]
Thyoroxine (T4), total [1]
Thyreoglobine human (hTG) [1]
Thyroid-stimulating hormone (TSH) [1]

Toxicology

Amikacin [1, 12]
Bromide [1]
Desmethyl-Citalopram [1]
Escitalopram [1]
Ethambutol [1]
Lithium [1]
Paliperidon (9-OH-Risperidon) [1]
Phenobarbitone [1]
Risperidon [1]
Salicylate [1]

Trace elements

Aluminium [1, 7]
Arsenic [1, 7]
Chromium [1, 4, 7]
Cobalt [7]
Copper [4, 7]
Manganese [1, 4, 7]
Mercury (Hg) [2]
Molybdenum [1, 4]
Nickel [1, 7]
Platinum [1]
Selenium [1, 7]
Silicium [1]
Strontium [1, 4]
Vanadium [1]
Zinc [4, 7]

Tracer molecules

Indocyanine green (ICG) [7, 8]
Inulin (Sinistrin) [4, 7, 8]
Iohexol [7, 8]
Paraaminohippuric acid [4, 7, 8]

Tumor Marker

α-fetoprotein (AFP) [1]
CA 125 [1, 13]
CA 15-3 [1]
CA 19-9 [1]
CA 72-4 [1]
Carcinoembryonic antigen (CEA) [1]
Epididymis Protein HE4 [1]
Free PSA [1]
HER-2/neu [1]
PSA [1]
S-100 protein [1]

* frozen

Our parameters

Vitamines

25-OH-Vitamin D3 [1]
β-carotene [1]
Folic acid [1]
Niacin (nicotinamide) [1]
Vitamin A (retinol) [1]
Vitamin B1 (TPP) [2]
Vitamin B2 [2]
Vitamin B6 (pyridoxal phosphate) [1,2]
Vitamin B12 [1]
Vitamin C [1,12]
Vitamin E [1]
Vitamin H (biotin) [1]
Vitamin K [1]

Material

1 = Serum
2 = EDTA blood
3 = Citrate Plasma
4 = Urine
5 = Erythrocyte lysate
6 = EDTA plasma
7 = Li-Heparin plasma
8 = Na-Heparin plasma
9 = Citrate blood
10 = CSF
11 = Quantiferon tubes
12 = Serum frozen
13 = Dialysate
14 = EDTA plasma frozen
15 = Pharyngeal swabs
16 = Nasal secretion
17 = Saliva
18 = Paraffin slices
19 = P800
20 = Feces
21 = Sputum
22 = EGTA plasma
23 = Bronchial lavage
24 = Throat irrigation fluid

mlm medical labs®

Our parameters

sorted by device

Good Clinical Laboratory Practice

Q4/2020

Our parameters

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ACL TOP 500 CTS, Instrumentation Laboratory

Activated Protein C [3]
Activated Protein S [3]
Anti-Thrombin III [3, 3*]
Anti-Xa-activity [3]
Factor IIa [3]
Factor IXa [3]
Factor Va [3]
Factor VIIa [3]
Factor VIIIa [3]
Factor Xa [3]
Factor XIa [3, 3**]
Factor XIIa [3]
Factor XIII antigen [3]

Advanced® Micro-Osmometer 3320, Advanced Instruments

Osmolality [1, 4]

Alegria®, ORGENTEC

Anti-Centromere B antibodies [1]
anti-HEV IgG, IgM [1]
ENA-Panel [1]

ALLIANCE e2695 HPLC System, Waters

3,4-Dihydroxyphenylacetic acid [4]
5-Hydroxyindolacetic acid [4]
Adrenaline [4, 14, 22]
Glutathione, free [2, 7]
Glutathione, oxidized
Glutathione, total [2, 7]
Homovanillic acid [4]
Indocyanine green (ICG) [7, 8]
Inulin (Sinistrin) [4, 7, 8]
Iohexol [7, 8]
Isoleucine [1]
Leucine [1]
Lysine [1]
Malondialdehyde (MDA²) [6, 14]
Metanephrines [4]
Methionine [1]
Noradrenaline [4, 14, 22]
Normetanephrine [4]
Paraaminohippuric acid [4, 7, 8]
Threonine [1]
Tryptophan [1]
Tyrosine [1]
Valine [1]
Vanillylmandelic acid [4]

Axio Lab.A1, Zeiss

Bacteria [4]
Casts [4]
Crystals [4]
Epithelial cells [4]
Erythrocytes [4]
Round epithelial cells [4]
Urine sediment [4]

* frozen, ** heparinized

Our parameters

sorted by device

CFX96, Bio-Rad

SARS-CoV-2 RNA [15, 24]

cobas® 6000, Roche

β-CrossLaps [1, 6]
β-hCG [1]
β-Hydroxybutyrate [1, 4]
1,5-Anhydroglucitol [1]
17β-Estradiol [1]
25-OH-Vitamin D3 [1]
Alpha-1-globulin [4]
Alpha-2-macroglobulin (α2M) [1]
Acetaminophen (Paracetamol) [1]
Adrenocorticotropic hormone (ACTH) [6, 2, 14]
Albumin [1, 4, 7, 8, 10, 16]
Alkaline phosphatase [1]
Amikacin [1, 12]
Ammonia [2, 6, 14]
Amphetamines/Methamphetamines [4]
Amylase [1]
anti HAV, IgG + IgM [1]
anti-CCP [1, 12]
anti-HAV IgM [1]
anti-HBc [1]
anti-HBc, IgM [1]
anti-HBs [1]
anti-HCV [1]
anti-SARS-CoV-2 [1]
Apolipoprotein A1 [1]
Apolipoprotein B [1]
Barbiturates [4]
Benzodiazepines [4]
Bicarbonate [1, 4]
Bile salts [1, 12]
Bilirubin, direct [1]
Bilirubin, total [1]
CA 125 [1, 13]
CA 19-9 [1]
CA 72-4 [1]
Calcium [1, 4]
Cannabis [4]
Carcinoembryonic antigen (CEA) [1]
Chloride [1, 4, 20]
Cholesterol [1]
Cholinesterase [1]
Cocaine [4]
Complement factor C3c [1, 12]
Complement factor C4 [1, 12]
Cortisol [4, 12]
Cotinine [4]
C-Peptide [1, 4, 6]
C-reactive protein high sensitive (CRPhs) [1]
Creatinine [1, 4]
Creatinine Kinase (CK) [1]
Creatinine Kinase MB (CK-MB) [1]
Cystatin C [1]
Epididymis Protein HE4 [1]
Ethanol [1, 4, 5]
Ferritin [1]
Follicle-stimulating hormone (FSH) [1]
Free fatty acids [1, 6, 12, 14]
Free thyroxine (FT4) [1]
Free triiodothyronine (FT3) [1]
Fructosamine [1]
Gamma-GT [1]
Glucose [1, 4, 5, 6, 20]
Glutamatdehydrogenase (GLDH) [1]
Glutamate-pyruvate transaminase (GPT) // Alanine transaminase (ALT) [1]
Glutamic oxaloacetic transaminase (GOT) // Aspartate transaminase (AST) [1]
Glycated albumin [1]
Glycerol [1, 6, 14]
HBsAg [1]
HDL-cholesterol [1]
HIV-1/2 combi [1]
Human growth hormone (hGH) [1]
Hydroxybutyrate dehydrogenase (HBDH) [1]
IgG [1]
IL-6 [1]
Insulin [1, 6]
Iron [1]
Lactate [5]
Lactate dehydrogenase (LDH) [1]
LDL-cholesterol [1]
Lipase [1]
Luteinizing hormone (LH) [1]
Magnesium [1, 4]
Methadone [4]
N-Acetyl-glucosaminidase [4]
Neuronal Specific Enolase (NSE) [1, 12]
NT-pro BNP [1]
Opiates [4]
Osteocalcin [1]
Pancreatic amylase [1]
Parathyroid hormone (PTH) active [1, 6]

* deproteinized

Our parameters

Phencyclidine [4]
Phosphate [1, 4]
Phosphorus (inorganic) [1]
Potassium [1, 4, 20]
Prealbumin (Transthyretin) [1]
Procollagen-I-N-propeptide (N-term.) [1]
Progesterone [1]
Prolactin [1]
PSA [1]
Pyruvate [2*]
Rheumatoid factor (quant.) [1]
S-100 Protein [1]
Sodium [1, 4, 20]
Testosterone [1]
Thyoroxine (T4), total [1]
Thyroid-stimulating hormone (TSH) [1]
Total ketone bodies [1, 4]
Total protein [1, 4, 7, 8]
Transferrin [1]
Transferrin saturation [1]
Tricyclic antidepressants [4]
Triglycerides [1]
Triiodothyronine (T3), total [1]
Troponin T hs [1]
Urea [1, 4, 6, 13]
Uric acid [1, 4]

cobas® u 411, Roche

Bilirubin [4]
Glucose [4]
Hemoglobin/Erythrocytes [4]
Ketone bodies [4]
Leucocytes [4]
Nitrite [4]
pH [4]
Protein [4]
Specific gravity [4]
Urobilinogen [4]

CytoFLEX V2-B5-R3 Flow Cytometer, Beckman Coulter

B-Lymphocytes (CD19) [2]
B-Lymphocytes (CD20) [2]
C12D [2]
C12MM [2]
C12MP [2]
C12PP [2]
C21MP [2]
Suppressor T-cells (CD8) [2]
T-Helper cells (CD4) [2]
T-Lymphocytes (CD3) [2]

G8 HPLC Analyzer, Tosoh Bioscience

HbA1c [2]

Gamma Counter Wizard 2470, Perkin Elmer

Aldosterone [1, 12]
Angiotensin I [6, 19]
Antidiuretic hormone (ADH) // Vasopressin [14]
c-AMP [6]
Collagen-I-telopeptide [1]
cyclic GMP (cGMP) [4, 6]
Gastrin [1]
Glucagon [14, 19]
Glutamate-decarboxylase AB [1]
Insulin [1]
Insulin AB [1]
Insulin Lispro [1]
Neuropeptide Y (NPY) [1]
Oxyntomodulin [6]
Pancreatic Polypeptide (PP) [1]
Procollagen-III-peptide (N-term.) [1]

* deproteinized

Our parameters

sorted by device

Peptide Tyrosine Tyrosine (PYY) [6]
Renin activity [6]
Tyrosin-phosphatase (IA-2) AB [1]

KRYPTOR compact PLUS, BRAHMS

Atrial natriuretic hormone [1, 6, 14]
CT-proAVP (Copeptin) [6]

LUMIPULSE® G1200, Fujirebio

Hepatitis B core-related antigen [1]
KL-6 [1, 6]
Troponin I [1]

MESO QuickPlex SQ120, MSD

Alpha-2-macroglobulin (α2M) [16]
Eotaxin-3 [6]
Gastric inhibitory polypeptide (GIP) active [19]
Glucagon-like peptide 1 (GLP1) active [19]
Glucagon-like peptide 1 (GLP1) total [6, 19]
Granulocyte-macrophage colony-stimulating factor (GM-CSF) [6]
Interferon alpha-2a (IFNα2a) [1]
Interferon gamma (IFNɣ) [1, 6, 16]
Interferon gamma (IFNɣ) inducible protein [1]
Interleukin 1 alpha (IL-1 α) [1, 6]
Interleukin 1 alpha (IL-1 β) [1, 6]
Interleukin 2 (IL-2) [1, 6, 16]
Interleukin 4 (IL-4) [1, 6, 16]
Interleukin 5a (IL-5a) [6]
Interleukin 6 (IL-6) [1, 4, 6, 13, 16]
Interleukin 6 (IL-6) receptor [1]
Interleukin 7a (IL-7a) [6]
Interleukin 8 (IL-8) [1, 6, 16]
Interleukin 10 (IL-10) [1]
Interleukin 12p70 (IL-12p70) [1]
Interleukin 13 (IL-13) [1]
Interleukin 15 (IL-15) [1, 6]
Interleukin 16 (IL-16) [1, 6]
Interleukin 17A (IL-17A) [6]
Interleukin-29 (IL-29)/Interferon Lambda 1 [1]
KIM-1 [1, 4]
MCP-1 [1]
Macrophage inflammatory protein 1 alpha (MIP-1α) [1]
Macrophage inflammatory protein 1 beta (MIP-1β) [1]
Serum Amyloid A (SAA) [1]
sICAM-1 [6]
Transforming growth factor beta (TGF-β) [1]
Tumor necrosis factor alpha (TNFα) [1, 6, 13, 16]

Our parameters

sorted by device

STA Compact Max® 3, Stago

aPTT [9]
aPTT Kaolin [3, 3*]
D-Dimer [3, 9]
Diluted thrombin time (TT) [3]
Fibrinogen [3, 9]
INR [3]
Prothrombin time (Quick) [3, 9]
Ristocetin-Cofactor (vWF:RCo) [3]
Thrombin time (TT) [3]
von Willebrand factor antigen [3]

Sunrise™ Absorbance Microplate Reader // Infinite® F200 PRO, TECAN

α-1-Antitrypsin in feces [20]
α-GST [4]
β-Amyloid (1-40) [6, 10]
β-Amyloid (1-42) [6, 10]
Adiponectin [1]
Advanced glycation end products [1, 2*]
Anti-IIa-activity [3]
anti-SARS-CoV-2 IgA, IgG [1]
Calprotectin [6, 20, 21]
CCL-18 [6]
CH50 [12]
Clock interacting protein circadian (CiPC) [1]
Complement factor C3a [6]
Complement factor C5a [2, 6]
Complement fragment Bb+ [6]
CXCL1/GRO-α [1]
CXCL4/PF4 [1]
Cytokeratine 18 [1]
C-terminal telopeptide (CTX) [4]
DHEA [1]
DHEA-S [1]
Endothelin-1 [6]
Epidermal growth factor [4]
Erythropoetine [1]
E-Selectin [1]
Factor XI antigen [3]
Factor XII antigen [3]
Fibroblast growth factor (FGF) 2 [1]
Fibroblast growth factor (FGF) 19 [6]
Fibroblast growth factor (FGF) 21 [1]
Fibrinopeptide A (FPA) [1]
Free hemoglobin [7, 8]

FRET Elastase [17, 21]
FRET Proteinase [17, 21]
Galectin-3 [1, 6]
Gastric inhibitory peptide (GIP) [6]
GDF 15 [1, 6]
Gliadin [4]
Glucagon [14, 19]
Glutathione peroxidase [1, 2, 5, 6]
Heart-type fatty acid binding protein (hFABP) [1, 4]
HMGB1 [16]
Human Clara cell protein (CC-16) [1]
Human hepatocyte growth factor (HGF) [1]
Human soluble CD14 [2]
Human soluble gp130 [1]
Human β-defensin-2 [20]
Intenstinal-fatty acid binding protein (I-FABP) [4]
IgA [20]
Insulin [1]
Insulin glulisine [1, 7]
Insulin-like growth factor 1 (IGF-1) [1]
Insulin-like growth factor 2 (IGF-2) [1]
Insulin-like growth factor-binding protein 3 (IGFBP-3) [1]
Interferon alpha (IFN-α) [12]
Interferon beta (IFN-β) [12]
Interferon gamma (IFNɣ) [12]
Interleukin-1 receptor antagonist (IL-1RA) [1]
Interleukin 1 receptor-like 1 (IL-1 R4, ST2) [6]
Interleukin 18 (IL-18) [1]
Interleukin 18 (IL-18) binding protein [1]
Interleukin 2 receptor alpha chain (IL-2RA), soluble [1]
Isoinsulin [1]
Leptin [1]
Lipocalin-2/NGAL [1, 4]
Lipopolysaccharide-binding protein (LBP) [6]
L-Fatty Acid Binding Protein (L-FABP) [4, 6]
MMP-2 [1]
MMP-7 [1]
MMP-8 [1]
MMP-9 [1]
Myeloperoxidase-activity (MPO) [4, 16]
Neutrophil elastase active [17, 21]
Neutrophil elastase total [6, 17, 21]
Nitrate [1]
Nitrite [1]
N-terminal proatrial natriuretic peptide (NT-pro ANP) [1, 6, 14]
N-terminal telopeptide (NTX) [1, 4]
Obestatin [1, 6]
OPN [6]
Osteoprotegerin [6, 14]
Oxidized Low-Density Lipoprotein (Ox-LDL) [1, 6]
PAI-1 [1]
Pentraxin 3 [6]
Phospho-Tau [10]
Placenta growth factor [1]
Platelet-derived growth factor -BB [1]
Proinsulin (intact) [1]
Prothrombin fragment (F1+2) [3]

* frozen

Our parameters

P-Selectin [1]
Resistin [1]
S100A12 [1]
S100A8/A9 [1]
Secretin [1]
Secretory IgA [4]
Somatostatin [19]
sPecam-1 [1]
sRAGE [1]
Surfacant protein D [1]
sVCAM-1 [1]
Tau-Protein [10*]
Thrombin activatable fibrinolysis inhibitor [3]
Thrombin/Antithrombin 3 complex [3]
Thrombomodulin [3]
Tissue inhibitor of metalloproteinase-1 [1, 6]
Tissue inhibitor of metalloproteinase-4 [1, 6]
Tumor necrosis factor beta (TNFβ) [1]
Vascular adhesion protein-1 [6]
Vascular endothelial growth factor [1]
Visfatin [1]
Zn-Transporter 8 AB [1]
Zonulin [1]

XN-1000, Sysmex

Basophile granulocytes [2]
Eosinophile granulocytes [2]
Erythrocytes [2]
Hematocrit [2]
Hemoglobin [2]
Leucocytes [2]
Lymphocytes [2]
Mean corpuscular hemoglobin (MCH) [2]
Mean corpuscular hemoglobin concentration (MCHC) [2]
Mean corpuscular volume (MCV) [2]
Mean platelet volume (MPV) [2]
Monocytes [2]
Neutrophile granulocytes [2]
Platelets [2]
Red cell distrubution width (RDW)-CV [2]
Reticulocytes [2]

Material

1 = Serum
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22 = EGTA plasma
23 = Bronchial lavage
24 = Throat irrigation fluid

* frozen

For further information please contact Isabel Struik at **istruik@mlm-labs.com** or visit us at **mlm-labs.com.**

⚠ **Additional parameters are available upon request. Please contact us.**

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