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Tests within classes of tests authorised by Laboratory Licence Number: 4083
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Date issued: April 26, 2023
Date d'émission: April 26, 2023

- St. Michael's Hospital (Licence 4083) is only permitted to perform Comprehensive Cancer Testing, licensed under P070 Genetics - NGS-Oncology-Solid Tumour Panel, for the following disease test sites:
- Breast
- Central Nervous System (without CNVs)
- Colorectal
- Endometrium
- Acute Leukemia – FLT3
- Melanoma
- Ovary
- Prostate
- Uveal Melanoma

In order to add additional disease test sites for Comprehensive Cancer Testing under the test code P070 Genetics - NGS-Oncology-Solid Tumour Panel, complete validation will be required, and a new request must be submitted to the Laboratory Inspection and Licensing Information (LILI) system

The ministry requires testing for COVID-19 be conducted in accordance with ministry policies, procedures and directives which include but are not limited to testing protocols, information/data flow and related communication protocols.

Licensed laboratories must communicate results to an individual that is aligned with the messaging and guidance provided by the Ministry of Health and Public Health Ontario. Please also review the COVID-19 Provincial Testing Guidance.

Effective January 1, 2023, connection to the Ontario Laboratory Information Systems (OLIS), which is an information repository that gives authorized health care providers access to laboratory orders and results, is part of the licensing requirement under Section 24 of O. Reg. 45/22.

Table with 4 columns: Test Class / Classes de tests, Sub Class / Sous-classe, Test Code / Codes de tests, Test Name / Noms de tests. Rows include Biochemistry, General Chemistry, Immunoassays, and specific test codes like L319, L585, L001, L005, L006.



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Biochemistry	General Chemistry	L008	Alcohols, fractionation and quantification*
	General Chemistry	L015	Ammonia*
	General Chemistry	L018	Amylase*
	Therapeutic Drug Monitoring	L026	Barbiturates, quantitative*
	Therapeutic Drug Monitoring	L027	Barbiturates, fractionation and quantification (serum) - includes other drugs requiring similar methodology; e.g., tricyclic antidepressants*
	General Chemistry	L030	Bilirubin, total*
	General Chemistry	L031	Bilirubin, conjugated*
	General Chemistry	L034	pH*
	General Chemistry	L035	pCO <sub>2</sub> , pO <sub>2</sub> and pH in combination*
	Therapeutic Drug Monitoring	L040	Carbamazepine, quantitative (Tegretol)*
	General Chemistry	L045	Calcium*
	General Chemistry	L046	Calcium ionized*
	General Chemistry	L051	Catecholamines, fractionated*
	General Chemistry	L053	Chloride*
	General Chemistry	L054	Chloride (sweat)*
	General Chemistry	L055	Cholesterol, total*
	General Chemistry	L059	Acetaminophen*
	General Chemistry	L060	Carboxyhemoglobin*
	General Chemistry	L061	CO <sub>2</sub> Content, CO <sub>2</sub> combining power, bicarbonate (measured not calculated)*
	General Chemistry	L066	Creatine Phosphokinase*
General Chemistry	L067	Creatinine*	



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Table with 4 columns: Category, Chemistry Type, Licence Number, and Test Name. Rows include various tests like Creatinine clearance, Target drug testing, and Glucose tolerance test.



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Biochemistry	General Chemistry	L169	Metanephrines, total - U*
	General Chemistry	L172	Methemoglobin*
	General Chemistry	L174	Myoglobin, qualitative - U*
	General Chemistry	L181	Occult blood*
	General Chemistry	L183	Osmolality (osmolarity)*
	General Chemistry	L184	Oxalic acid (oxalate) - U*
	General Chemistry	L191	Phosphatase, alkaline*
	General Chemistry	L194	Phosphorus (inorganic phosphate)*
	General Chemistry	L204	Potassium*
	General Chemistry	L208	Protein, total*
	Therapeutic Drug Monitoring	L211	Primidone, quantitative (Mysoline)*
	General Chemistry	L221	Salicylate, quantitative*
	General Chemistry	L222	SGOT (AST)*
	General Chemistry	L223	SGPT (ALT)*
	General Chemistry	L226	Sodium*
	General Chemistry	L243	Triglycerides*
	General Chemistry	L251	Urea nitrogen (B.U.N.)*
	General Chemistry	L252	Uric acid (urate)*
	General Chemistry	L253	Urinalysis, routine chemical (any of S.G., pH, protein, sugar, hemoglobin, ketones, urobilinogen, bilirubin, leukocyte esterase, nitrate)*
	General Chemistry	L254	Urinalysis, microscopic examination of centrifuged specimen*
Therapeutic Drug Monitoring	L257	Valproic acid (valproate)*	



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Biochemistry	General Chemistry	L260	Vitamin A*
	General Chemistry	L261	VMA, vanillylmandelic acid (vanillylmandelate)*
	General Chemistry	L358	Prostate Specific Antigen (PSA), Total
	General Chemistry	U009	Amylase isoenzymes
	General Chemistry	U021	Apolipoproteins A and B
	General Chemistry	U026	Bile Acids - Total and Fractionation
	Therapeutic Drug Monitoring	U048	FK 506 (Tacrolimus)
	General Chemistry	U064	Lipoprotein (a) [Lp(a)]
	General Chemistry	U097	Prostate Specific Antigen (PSA), Total
	General Chemistry	U116	Troponin
	General Chemistry	U154	Homocysteine
	General Chemistry	U163	Vitamin E
	General Chemistry	U201	Dihydrotestosterone - DHT
	General Chemistry	U204	Chylomicrons
	General Chemistry	U278	Oligoclonal Banding
	General Chemistry	U369	Citrate
	Therapeutic Drug Monitoring	U371	Sirolimus (Rapamycin)
	General Chemistry	U432	Natriuretic Peptide - Brain (BNP)
	General Chemistry	U435	Foetal Fibronectin
	General Chemistry	U680	Beta Hydroxybutyrate
General Chemistry	U719	Bioavailable Testosterone	
Immunoassays	L300	Aldosterone*	



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Biochemistry	Immunoassays	L303	Cortisol*
	Immunoassays	L304	Aminoglycosides (e.g. gentamicin, tobramycin)*
	Immunoassays	L305	Androstenedione*
	Immunoassays	L306	Digoxin*
	Immunoassays	L307	ACTH (adrenocorticotrophic hormone)*
	Immunoassays	L308	Serum folate
	Immunoassays	L309	RBC (red blood cell) folate, to include hematocrit
	Immunoassays	L310	Estradiol*
	Immunoassays	L313	Estrone*
	Immunoassays	L315	FSH (pituitary gonadotrophins)*
	Immunoassays	L317	Growth hormone*
	Immunoassays	L318	HCG (human chorionic gonadotrophins)*
	Immunoassays	L321	Aminophylline (theophylline)*
	Immunoassays	L324	Diphenylhydantoin (phenytoin), quantitative (dilantin)*
	Immunoassays	L325	Insulin*
	Immunoassays	L328	LH (luteinizing hormone)*
	Immunoassays	L329	Ferritin*
	Immunoassays	L330	Parathyroid hormone*
	Immunoassays	L331	Progesterone*
	Immunoassays	L332	Prolactin*
	Immunoassays	L333	17-OH progesterone*
	Immunoassays	L334	IgE - not to be billed for RAST test*
	Immunoassays	L335	Renin*
	Immunoassays	L339	T4, free - absolute (includes T-4 total)*
	Immunoassays	L340	Testosterone*
	Immunoassays	L341	TSH (thyroid stimulating hormone)*
Immunoassays	L343	Phenobarbitone*	
Immunoassays	L345	Vitamin B12*	
Immunoassays	L347	Dehydroepiandrosterone sulphate (DHEAS)*	



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Biochemistry	Immunoassays	L606	25 hydroxy Vitamin D*
	Immunoassays	L607	T-3, free*
	Immunoassays	L609	Thyroglobulin*
	Immunoassays	L690	Carcinoembryonic antigen (CEA)*
	Immunoassays	L691	Alpha-fetoprotein*
	Immunoassays	U792	25 hydroxy Vitamin D
	Immunoassays	U967	Procalcitonin
Cytology		L705	Aspiration biopsy (lung, breast, thyroid, etc.)*
		L706	Bronchial washings or brushings*
		L708	Esophageal, gastric or endometrial washings or brushings*
		L711	Fluids (pleural, ascitic, cyst, aspirate, pericardial, joint, CSF, and urine)*
		L716	Sputum per specimen for general and/or specified assessment (e.g. cellular abnormality, asbestos bodies, lipid, hemosiderin, etc.)*
		L733	Cervicovaginal Specimen (monolayer cell methodology)
Flow Cytometry		L685	Leukocyte phenotyping by monoclonal antibodies - first antibody*
		L686	Leukocyte phenotyping by monoclonal antibodies - each additional antibody, to a maximum of 20 antibodies*
Genetics	Cytogenetics	U742	Oncology FISH test (Blood, Bone Marrow, Tumour)
	Molecular Genetics	U215	Genetics - Chronic Myelogenous Leukemia (BCR-ABL)
	Molecular Genetics	U734	Genetics - MPD (PV, ET, MF) (JAK2) gene
	Molecular Genetics	U745	Genetics - Colon Cancer (K-RAS gene)
	Molecular Genetics	U849	Genetics - Glioma (MGMT gene)
		P070	Genetics - NGS-Oncology-Solid Tumour Panel
	Molecular Genetics	P085	Genetics - Endopredict Test



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Hematology	Coagulation	L370	Assay of Factors II, V, VII, VIII, IX, X, XI, and XII*
	Coagulation	L373	Antithrombin III assay*
	General Hematology	L378	Bone marrow - film preparation*
	General Hematology	L379	Bone marrow - staining (Romanowski and iron)*
	Coagulation	L386	Circulating anticoagulant (e.g. lupus anticoagulant)*
	General Hematology	L391	C.S.F. cell count (to include differential)*
	General Hematology	L393	Complete Blood Count (any method)*
	General Hematology	L398	Reticulocyte count*
	Coagulation	L400	Euglobulin clot lysis*
	Coagulation	L402	Fibrinogen, quantitative*
	Coagulation	L403	Factor XIII (urea solubility test)*
	Coagulation	L405	Fibrin split products, quantitative*
	General Hematology	L411	G-6-PD quantitative assay*
	General Hematology	L415	Haptoglobin*
	General Hematology	L416	Heinz bodies*
		L423	Hemolysins - cold (Donath-Landsteiner)*
	General Hematology	L424	Hemosiderin in urine*
	Coagulation	L425	Heparin assay*
		L431	Kleihauer stain*
	General Hematology	L432	Malaria smear or other parasites*
	Coagulation	L433	Plasminogen assay*
		L435	Plasmapheresis*
	Coagulation	L436	Platelet (thrombocyte) function - aggregation*
Coagulation	L437	Platelet (thrombocyte) function - adhesiveness*	





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Hematology		L439	Preparation of cryoprecipitate*
	Coagulation	L445	Prothrombin time*
	Coagulation	L447	Reptilase time*
	General Hematology	L451	Sedimentation rate*
	General Hematology	L453	Sickle cell solubility test (screen)*
	Coagulation	L460	Thrombin time*
	Coagulation	L462	Partial thromboplastin time*
	Coagulation	U002	APC Resistance (Active Protein C Resistance)
	Coagulation	U003	Alpha 2 - Antiplasmin Activity
	Coagulation	U056	Heparin Induced Thrombocytopenia (HIT)
	Coagulation	U058	Hex LA (Hexagonal Phospholipid)
	Coagulation	U098	Protein C
	Coagulation	U100	Protein S
	Coagulation	U104	Ristocetin Co - Factor Activity Assay (RCoF)
	Coagulation	U105	Russell Viper Venom Time (RVVT)
		U140	Rh Rosette Test
	Coagulation	U189	Factor Inhibitors (Bethesda Units)
	Coagulation	U314	Factor V Leiden (F5 gene)
	Coagulation	U321	Prothrombin Gene 20210A Mutation/Variant (F2 gene)
	Coagulation	U446	von Willebrand factor (vWf) - Cleaving Protease (ADAMTS-13) Activity
	Coagulation	U670	von Willebrand Factor - Antigen Assay (VWF:ag)
	Coagulation	U929	Whole Blood Thromboelastometry
Coagulation	U930	Anti-Xa (Rivaroxaban Assay)	
Coagulation	U931	Anti-Xa (Apixaban Assay)	
Histopathology			
		L717	Electron microscopy*
		L720	Surgical pathology*
		L721	Operative consultation - with or without frozen section*



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Histopathology		L722	Operative consultation - for each specimen over 3*
		L725	X-ray diffraction analysis of calculi*
		L728	Histochemistry of muscle - 1 to 3 enzymes*
		L729	Histochemistry of muscle - each additional enzyme, per label
		L731	Immunoperoxidase technique - per label*
		U363	HER2/neu
Immunohematology		L471	Antibody identification - per specimen*
		L473	Parallel titration on two specimens to include confirmation of previously detected antibody*
		L481	Antibody titre per antibody, per specimen*
		L482	Antibody screening*
		L490	Blood Group - ABO and RhD*
		L492	Crossmatch per unit of blood*
		L493	Blood Group - ABO and Rh Phenotype*
		L494	Blood Group per antigen*
		L495	Direct anti-human globulin test*
Immunology	General Immunology	L500	Agglutination Reaction - Screen (e.g. Rheumatoid factor, Antithyroid [thyroglobulin or microsomal], Streptolysin)*
	General Immunology	L525	Cellular Assays - Lymphocyte surface immunoglobulins by immunofluorescence*
	General Immunology	L535	Fluorescent Antibody Tests (Immunofluorescent Studies), Tests for serum antibodies to tissue and cell components - antimitochondrial, antithyroid, antiadrenal, antismooth muscle, antiparietal, antiskin, antisperm*
	General Immunology	L550	Single gel diffusion and nephelometric quantitative assays - Immunoglobulin G, A, D, M*
	General Immunology	L599	Cryofibrinogen - qualitative*
	General Immunology	L600	Cryoglobulin - qualitative*
	General Immunology	L655	Pregnancy test*



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Immunology	General Immunology	L660	Cold agglutinins - screen*
	General Immunology	L661	Cold agglutinins - titre*
	General Immunology	L665	C-Reactive protein*
	Microbial Immunology	L667	Non-cultural direct bacterial antibody or antigen assays by fluorescence, agglutination or ELISA techniques*
	General Immunology	L668	Heterophile antibodies - screen (slide or single tube) - with or without absorption*
	Microbial Immunology	L679	Virus antibodies - hemagglutination inhibition or ELISA technique*
	Microbial Immunology	L683	Non-cultural indirect antibody or antigen assays by fluorescence, agglutination or ELISA techniques*
	General Immunology	U015	Anti - Cardiolipin Antibody
	General Immunology	U042	Erythropoietin (EPO)
	General Immunology	U088	Osteocalcin
	General Immunology	U110	Insulin-Like Growth Factor 1 (IGF 1, Somatomedin C)
	General Immunology	U199	TSH Receptor Antibody (TRab)
	General Immunology	U260	Anti-Gliadin IgG
	General Immunology	U359	Crosslinked Telopeptides of type 1 collagen (C-telopeptides and N-telopeptides)
	General Immunology	U372	Tissue Transglutaminase
	General Immunology	U404	CA 15-3
General Immunology	U457	Anti-beta 2 Glycoprotein 1 (beta 2-GP1)	
Microbiology			
	Bacteriology	L620	Antibiotic level, serum
	Bacteriology	L623	Antibiotic sensitivity - M.I.C.*
	Bacteriology	L624	Cultures - blood (including aerobic, anaerobic, subcultures, smears)*
	Bacteriology	L625	Cultures - cervical, vaginal, including GC culture, Gram smear, yeast identification (e.g. Germ tube)*
	Bacteriology	L627	Cultures - GC culture and smear*



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Table with 4 columns: Category, Sub-category, Licence Number, and Description. Rows include Microbiology (Bacteriology, Mycology, Virology) and Mycology.

Approved Specimen Collection / Prélèvement d'échantillons approuvé

Table with 2 columns: Specimen Type / Types de prélèvement. Lists Blood, Fluid/Discharge/Swab, Stool, Tissue, and Urine.