



SCHEDULE OF FEES

For the Laboratory Services Outpatient

Payment Schedule

*Fee-For-Service Outpatient Laboratory Services in
British Columbia*

Updated October 1, 2016

Revised July 31, 2017



Ministry of
Health

SCHEDULE OF FEES
For the Laboratory Services Outpatient
PAYMENT SCHEDULE

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SCHEDULE OF FEES
For the Laboratory Services Outpatient
PAYMENT SCHEDULE

Introduction to the Schedule of Fees	Issued: October 1, 2015 Updated: October 1, 2016
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Interpretation

The Laboratory Services Schedule of Fees is issued under the authority of the Minister of Health and is effective as of October 1, 2015 and as updated on October 1, 2016. The Schedule cannot be correctly interpreted without reference to the Laboratory Services General Preamble and to the notes contained within the respective sections.

The Schedule of Fees contains the list of fees approved by the minister and payable to approved laboratory facility operators on a Fee-for-Service (FFS) basis for medically required, insured laboratory services provided to beneficiaries enrolled with the [Medical Services Plan](#) (MSP).

Fee item values are subject to modification by the minister. These modifications may affect the entire Schedule of Fees or may be specific to certain fee items or groups of fee items.

The notes within each specialty section of the Schedule of Fees provide the billing rules under which the fees are to be claimed and are designed to clarify the use of the Schedule for operators and practitioners.

Guidelines and Protocols

The minister has adopted by reference, applicable Guidelines and Protocols Advisory Committee (GPAC) [clinical practice guidelines](#) and may also adopt guidelines or protocols established by any person or body.

GPAC is an advisory committee to the Medical Services Commission and has representatives from both the [Doctors of BC](#) and the Ministry of Health.

Add-On Tests

Under certain specified circumstances, laboratories are authorized to perform, and operators to bill for, tests in addition to those specifically requested by the referring practitioner.

Fee Items and Billing

Fee items within this Schedule may contain requirements for additional detail to be provided in the billing note record (e.g. fee item 91075 Allergen specific IGE assay).

Asterisk Fee Items

Certain tests are marked with asterisks (*) and require consultation as noted below. These are usually complex or costly procedures and require a Laboratory Medicine physician's approval and/or review/interpretation or written report. Asterisks help to identify the Laboratory Medicine physician's additional and individual role related to the use of these specific tests.

Single Asterisk (*) Items

Fee items with a Single Asterisk (*) may only be performed and billed on approval of a Laboratory Medicine physician.

While the majority of tests requested by referring practitioners are accepted without modifications, any request may be subject to a Laboratory Medicine physician's approval or alteration based on clinical expertise and/or clinical practice guidelines and protocols. This intervention depends upon many variables, including the patient's clinical condition, prior testing patterns, previous or simultaneously run test results, overlapping requests from multiple practitioners, and the types of tests requested. The Laboratory Medicine physician may consult with the referring practitioner before modifying a test request.

The Laboratory Medicine physician may also review laboratory requests on an individual basis without contacting the referring practitioner. Additional laboratory tests may only be added in the following circumstances: on approval of the referring medical or health care practitioner or by a Laboratory Medicine physician in certain circumstances e.g. to clarify or exclude a diagnostic consideration, or under the provision of protocols approved by the minister.

For audit purposes, documentation (as noted below), is required to show that approval was provided by the Laboratory Medicine physician for the fee items marked with a single asterisk (*).

Double Asterisk () Items**

Fee items with a Double Asterisk (**) may require review/interpretation or written report by a Laboratory Medicine physician for billing of the laboratory fee by the operator. Good laboratory practice includes criteria set by the minister as to which tests or test results require such intervention, including direct contact with the referring medical or health care practitioner.

These criteria are usually related to significantly abnormal results, but may also include more complex procedures that require the specialized skill and knowledge of a Laboratory Medicine physician to assist referring medical and health care practitioners in interpretations. However, the specific action taken by the Laboratory Medicine physician in any particular case will vary, based on the clinical circumstances and their professional judgement. For audit purposes, documentation (as noted below) of such activities is required.

Triple Asterisk (*) Items**

Both the Single Asterisk (*) and the Double Asterisk (**) requirements are applicable.

The documentation for audit purposes may consist of any of the following:

- a notation or initials on the original requisition (paper or electronic format), or the written or computerized test worksheet;
- Laboratory Medicine physician's notes;
- where two laboratories (a referral and a testing) are involved, it is the responsibility of the testing laboratory to retain all the pertinent documentation available;
- notation on a master worksheet with all relevant results;
- written or computerized signature on the report;
- documentation of consult with the referring physician in a paper or electronic record;

- Laboratory Medicine physician authorization of referring medical or health care practitioners to request particular tests and who are recognized to have expertise in specific clinical area - a list of such authorized practitioners may be maintained by the individual laboratory; or
- any other documentation satisfactory to the minister, retained by the facility operator.

Attention is directed to fee items that specify a certain performance standard. Questions regarding acceptable best practices should be directed to the [Diagnostic Accreditation Program](#) (DAP).

Fee Schedule Codes

- * May only be performed and billed on approval of a Laboratory Medicine physician
- ** May require review/interpretation or written report by a Laboratory Medicine physician for payment of the laboratory fee
- *** Both single asterisk (*) and the double asterisk (**) requirements are applicable
- + Blood bank services are not payable by the Minister of Health where available from Canadian Blood Services
- P Designates fee items approved on a Provisional basis and awaiting further review



SCHEDULE OF FEES

For the Laboratory Services Outpatient

PAYMENT SCHEDULE

Section One	Hematology and Blood Bank Fee Items	Issued: October 1, 2015 Updated: October 1, 2016
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HEMATOLOGY AND BLOOD BANK FEE ITEMS

	Total Fee \$
90027*** Activated Protein C Resistance (APCR)	42.44
90029** Alpha-thalassemia, molecular testing for common defects	67.80
Notes:	
i) <i>Maximum of once per patient per lifetime.</i>	
ii) <i>May be billed in addition to 90540 and 90240.</i>	
90030*** Alpha 2 antiplasmin assay	45.48
90035** Anti DNA	20.22

Add-On Tests: Titration studies may be performed on patients found to have positive antinuclear antibodies (ANA). On patients with moderate to high titres of ANA (i.e., titre \geq 320, using doubling dilutions), it may be appropriate to perform and bill the follow-up tests, anti-DNA (**90035**) and anti-ENA (90120), if these have not been performed previously.

90038*** Anti Saccharomyces Cerevisiae (ASCA) – IgA	25.47
90039*** Anti Saccharomyces Cerevisiae (ASCA) – IgG	20.56
91130** Proteinase 3 Antineutrophil Cytoplasmic Antibody (PR3-ANCA)	26.19
91145** Anticardiolipin Ab, IgG	24.47
91146** Anticardiolipin Ab, IgM	24.47
91160** Antimyeloperoxidase Antibody	44.74
90040*** Antithrombin III	33.49
90042*** Anti-Xa Heparin assay	94.12
90045** Bone marrow examination	225.85
Note: 90045 includes 90465, 90490, 90205, 90340 and 90210.	
90046*** Beta 2 Glycoprotein I (B2GPI) antibody screen	44.65
Notes: The following indications for this test include:	
i) <i>Patients with vascular thrombosis – one or more clinical episodes of arterial, venous or small vessel thrombosis in any tissue or organ. Thrombosis must be confirmed by objective validated criteria.</i>	
ii) <i>Patients with pregnancy morbidity:</i>	
a) <i>One or more unexplained deaths of a morphologically normal fetus at or beyond the 10th week of gestation, with normal fetal morphology documented by ultrasound or by direct examination of the fetus.</i>	
b) <i>One or more premature births of a morphologically normal neonate before the 34th week of gestation because of: eclampsia or severe pre-eclampsia defined according to standard definitions or recognized features of placental insufficiency, or</i>	

c) Three or more unexplained consecutive spontaneous abortions before the 10th week of gestation, with maternal anatomic or hormonal abnormalities, and paternal and maternal chromosome causes excluded.

iii) Not payable with 90047.

90047***	Beta 2 Glycoprotein I antibodies IgG/IgM isotype determination	47.26
	Note: Not payable with 90046.	
91355	Cell count - CSF and other body fluids	28.77
91356	Cell differential – CSF and other body fluids	11.70
90050**	Circulating anticoagulant - incubated mixing study using one or more plasma mixtures	57.43
90055***	Circulating inhibitor screen - unincubated simple mixing study.....	30.54
90060	Clot retraction	6.19
90063***	Coagulation factor by clotting assay.....	45.51
90065	Cold agglutinins - qualitative.....	14.30
90068	Cyclic citrullinated peptide antibodies	29.48
	Notes:	
	i) Payable only if requested by Rheumatologist or General Internal Medicine Specialist.	
	ii) Not payable for established rheumatoid arthritis.	
90070**	Cold agglutinins - quantitative	27.40
90072**	Collagen Binding assay	52.51
	Note: Not billable with 90505.	
90073**	Dilute Russell Viper Venom Time.....	14.01
90080	Direct antiglobulin (Coombs') test, polyspecific	24.55
	Note: Not billable when performed as part of a cross-match procedure. Claim must state specific reason for this test.	

Add-On Tests: A direct antiglobulin test (Direct Coombs' - 90080) may be performed and billed when the clinical history or results of a hematology profile or morphological examination suggest increased red cell destruction.

Specific Criteria

- a) Anemia plus clinical history of lymphoma or autoimmune disorder
- b) Morphologic evidence of hemolysis
 - spherocytes
 - RBC agglutination
 - polychromasia ≥ moderate or 2+

Rationale

High incidence of hemolytic anemia

90085***	Donath-Landsteiner	15.00
90090	Eosinophil Count	10.62

Eosinophil Count

Where Eosinophil Count is requested alone, Hematology Profile (90205) may be performed and billed. In addition, the Eosinophil Count (90090) may be billed if manual methods are used to perform Eosinophil Count.

90095**	Erythropoietin (EPO) assay	29.51
90110**	Euglobulin lysis time	16.30
90115	Examination for eosinophils in secretions, excretions and other body fluids	54.08
	Notes:	
	i) Payable for specimens that require preliminary processing, e.g: cyto-spin centrifugation +/- total cell count, before slide preparation and staining.	
	ii) Not payable with 90512, 91355, 91356.	
90120	Extractable nuclear antigens	30.60

Add-On Tests: Titration studies may be performed on patients found to have positive antinuclear antibodies (ANA). On patients with moderate to high titres of ANA (i.e., titre ≥ 320, using doubling dilutions), it may be appropriate to perform and bill the follow-up tests, anti-DNA (90035) and anti-ENA (90120), if these have not been performed previously.

90121**	Anti-nuclear antibodies, specific detection by multiplex immunoassay	27.65
	Notes:	
	i) Payable for procedures that specifically identify the clinically significant anti-nuclear antibodies, i.e. dsDNA, ENAs, histones, and centromere antibodies.	
	ii) Use ANA/ENA ELISA (90281) as the primary screen; if result of ANA/ENA ELISA (90281) is $\geq 2U$ (units), proceed with reflex testing using ENA/DNA multiplex (90121).	
	iii) Not payable with 90120 or 90035.	
90123***	Factor II Assay (quantitative only)	53.52
90125***	Factor V (quantitative only).....	52.04
90127***	Factor V Leiden / PGM – 1 st gene	76.92
	Notes:	
	i) Restricted to Royal Columbian, Vancouver and Victoria General Hospitals, LfeLabs	
	ii) Not billable for screening purposes.	
	iii) Applicable to patients with thrombophilia.	
90128***	Factor V Leiden / PGM – 2 nd gene	48.53
	Notes:	
	i) Billable only when performed with 90127.	
	ii) Restricted to Royal Columbian, Vancouver and Victoria General Hospitals, LfeLabs	
90130***	Factor VII assay (quantitative only)	51.21
90135***	Factor VIII-C assay	51.58
90140***	Factor VIII-C inhibitor assay (Bethesda titre)	89.64
90145***	Factor IX assay.....	58.08
90150***	Factor XI assay.....	51.21
90155***	Factor X assay.....	51.21
90160***	Factor XII assay.....	51.21
90165***	Factor XIII screen (Fibrin stabilizing factor)	16.27
90170	Fibrin/fibrinogen degradation products	23.27
	Notes:	
	i) Includes D-dimer	
	ii) Includes quantitative assay or titre	
90175	Fetal hemoglobin	18.51
90180	Fetal cell stain.....	19.03
90185	Glucose-6-phosphate dehydrogenase (G-6-PD) screening test	42.91
90190***	Glucose-6-phosphate dehydrogenase assay (red cell).....	59.02
90200**	Ham test (acid haemolysis test)	27.74
90205	Hematology Profile	10.96
	Notes:	
	i) To include automated Hgb, WBC, platelet count, Hct, RBC indices, and differential white cell count when indicated	
	ii) Laboratories will perform a full hematology profile when any of the individual items is requested.	

Eosinophil Count

Where Eosinophil Count is requested alone, Hematology Profile (90205) may be performed and billed. In addition, the Eosinophil Count (90090) may be billed if manual methods are used to perform Eosinophil Count.

Reticulocyte Count

When a Reticulocyte Count is requested, the Hematology Profile (90205), in addition to the Reticulocyte Count (90490), may be performed and billed.

90210**	Hematology special stains – routine.....	28.76
	Note: Iron, PAS, peroxidase, sideroblast, Sudan black	
90215**	Hematology special stains – complex	42.56
	Note: Acid phosphatase with tartrate, esterase	
90220	Hemoglobin A2 quantification.....	14.14

90225	Hemoglobin-cyanmethemoglobin method, and/or haematocrit.....	3.22
90235	Hemoglobin - other methods	1.55
90240**	Hemoglobin electrophoresis	29.84
	Notes:	
	i) Also payable for other protein separation techniques based on differences in electrical charge.	
	ii) Not payable with 90220 (Hemoglobin A2) or 90175 (Fetal Hemoglobin).	
90245	Hemoglobin-H inclusion bodies	67.80
90265**	H.L.A. - single antigen	40.58
	Note: Not for screening purposes.	
90280**	Antinuclear antibodies - immunofluorescence screen.....	23.82
	Notes:	
	i) Anti-mitochondrial antibody (AMA) and anti-smooth muscle antibody (ASMA) should be billed under 90286 (liver autoantibodies (LiAA)).	
	ii) Include titre when required.	
	iii) Only payable to the Vancouver Coastal Health Immunology Laboratory when requested by a rheumatologist.	
	iv) Payable to other Category III laboratories without restriction on the class of referring practitioner.	
90281**	Antinuclear antibodies by sensitive EIA	17.76
	Notes:	
	i) Sensitive indicates an assay that includes the key purified/recombinant nuclear antigens and a HEp-2 extract.	
	ii) Use ANA/ENA ELISA (90281) as the primary screen; if result of ANA/ENA ELISA (90281) is $\geq 2U$ (units), proceed with reflex testing using ENA/DNA multiplex (90121).	
	iii) Only payable with 90280 if requested by a rheumatologist.	
90286**	Liver autoantibodies (LiAA), immunofluorescence	23.82
	Note: Only one of either 90286 or 90288, not both, are payable for the same sample tested on the same day.	
90287**	Anti-neutrophil cytoplasmic antibodies (ANCA), immunofluorescence screen	23.82
90288**	Anti-parietal cell antibody (APCA), immunofluorescence screen.....	23.82
	Notes:	
	i) Only one of either 90286 or 90288, not both, are payable for the same sample tested on the same day.	
	ii) Include titre when required.	
90290**	Immunophenotyping by flow cytometry - peripheral blood and/or tissue and/or bone marrow and/or body fluids - 5 tube panel.....	223.42
	Notes:	
	i) Do not count control(s) as separate tube(s).	
	ii) Fee items 90290 and 90295 not payable for CD4 counts in patients with HIV infection.	
90295**	Immunophenotyping by flow cytometry - peripheral blood and/or tissue and/or bone marrow and/or body fluids - each additional tube	34.42
	Notes:	
	i) Do not count control(s) as separate tube(s).	
	ii) Fee items 90290 and 90295 not payable for CD4 counts in patients with HIV infection.	
90300	Indirect Coombs (per tube).....	15.05
	Note: Not chargeable when performed as a blood bank service. Claim must state specific reason for this test.	
90305	Infectious mononucleosis - slide agglutination.....	17.10
<p>Add-On Tests: A test for infectious mononucleosis may be performed and billed under the following circumstances:</p> <p>a) Lymphocytosis (>4.0 absolute count) in an adult under the age of 50 years.</p> <p>b) Significant numbers of reactive lymphocytes (estimate of >10% of total WBC).</p>		
90310***	Ivy template bleeding time.....	26.63
	Note: 90310 not chargeable for Duke Method.	

90315	Latex test (rheumatoid factor).....	8.41
	<i>Note: Also payable for immunoassay techniques for the detection and quantification of rheumatoid factor.</i>	
90320**	Leucocyte alkaline phosphatase (L.A.P.) score	42.35
90325***	Lymphocyte stimulation test	106.30
90330***	Lymphocyte stimulation test - each additional antigen or mitogen.....	32.16
90335**	Malaria and other parasites	61.82
90340**	Marrow films for interpretation	163.79
90345**	Marrow or peripheral blood stem cells	104.80
90350***	Mixed leukocyte culture - donor and recipient.....	112.77
90355***	Mixed leukocyte culture - each additional culture	129.35
90357	Neutrophil Oxidative Burst assay	112.77
90365***	Oxygen dissociation curve.....	77.96
90370	Partial thromboplastin time	6.57
90375**	Partial thromboplastin time (PTT) substitution test for factor deficiencies	42.77
90377**	Phospholipid Neutralization Test – for confirmation of Lupus Anticoagulant	42.25
90380	Plasma hemoglobin	16.88
90385***	Plasminogen assay	45.87
90390**	Platelet antibodies	34.46
	<i>Note: 90390 normally may not be billed to the minister when performed as a blood bank service or where available from the Canadian Blood Services. If this service is required on an emergency basis from other than the Canadian Blood Services, the claim must state a specific reason for this test.</i>	
90400	Platelet estimation on film.....	4.64
90405**	Platelet function aggregation (per additive)	21.93
90415+	Preparation of plasma	16.19
90420***	Protein C activity.....	51.33
90425***	Protein C antigen.....	56.18
90427**	Protein S activity (clot-based).....	38.31
	<i>Note: Not billable with 90430.</i>	
90430***	Protein S free antigen	43.51
90440	Prothrombin time/INR	12.07
90445***	Pyruvic kinase assay (red cell)	75.52
90450	Pyruvic kinase (PK.) screening test.....	13.30
90460+	RBC antibody detection, per tube	6.89
	<i>Note: Albumin, enzyme or other antibody enhancement, e.g.: LISS additive</i>	
90465	Blood film review	17.99
	<i>Note: As a guideline, the volume of 90465 Blood film review should not exceed approximately 9 percent of the total volume of CBC tests; the minister insures no more than this volume or percentage.</i>	

The criteria for **adding on** blood film review (90465) are any one of the following:

Adult Patients

1. RBC Abnormalities

- | | | |
|----|--|---|
| a) | Hemoglobin | <100 or >175 g/L (female)
<120 or >190 g/L (male) |
| b) | MCV | <75 or >105 fL (male or female)
<80 or >105 fL (pregnant female) |
| c) | MCH | <27 pg (pregnant female) |
| d) | RDW | >0.22 (male or female) |
| e) | MCHC | >370 g/L (male or female) |
| f) | Abnormal RBC histogram or flag, requiring verification | |

2. WBC Abnormalities: (criteria apply to male or female)

- | | |
|--------------------------------|---|
| Total count | <4.0 or >30.0 x 10 ⁹ /L |
| Automated Differential Results | Neutrophils <1.0 or >20.0 x 10 ⁹ /L
Monocytes >2.0 x 10 ⁹ /L |

Lymphocytes $>5.0 \times 10^9/L$
 Eosinophils $>2.0 \times 10^9/L$
 Basophils $>0.2 \times 10^9/L$

Instrument flag suggesting abnormal population.

3. Platelet Abnormalities:

Automated platelet count <100 or $>800 \times 10^9/L$ (male or female).
 Abnormal platelet histogram or flag, requiring verification.

Children

- If relevant parameters fall outside reference intervals for age and sex.
- Abnormal RBC histogram or instrument flag requiring verification.
- Instrument flag suggesting abnormal WBC population.
- Abnormal platelet histogram or instrument flag requiring verification.

NOTES: These add-on criteria apply to new findings only. For patients with known abnormalities, e.g.: kidney failure, blood film review could be added on and billed if there is a significant change; e.g.: Hemoglobin change >20 g/L and outside the reference interval MCV change >5 fL and outside the reference interval.

NOTES: Laboratories should investigate the rationale for the change prior to adding the test, if it occurred within 7 days of the previous result, for example, the change may be due to a recent blood transfusion post-child birth.

90480**	Red cell fragility - incubated	57.13
90490	Reticulocyte count and/or Heinz bodies	11.54

Reticulocyte Count

When a reticulocyte count is requested, the Hematology Profile (90205), in addition to the reticulocyte count (90490), may be performed and billed.

90495+	Rh(D) typing.....	10.38
90505**	Ristocetin co-factor assay	77.57
90512	Secretion smear for eosinophils	7.41
90515	Sedimentation rate	10.61
	Notes:	
	i) Not payable if requested with 91300 (C – Reactive Protein).	
	ii) Not payable unless an acceptable indication is written on the requisition by the referring practitioner.	
90520	Serum haptoglobin	20.42
90525	Sickle cell identification.....	76.41
90540**	Thalassemia/hemoglobinopathy investigation.....	65.46
	Notes:	
	i) 90540 includes 90465 and 90205, and 90240 (utilizing an electrophoretic or chromatographic separation technique for the detection and quantification of normal and variant hemoglobins including Hemoglobin A2 and Hemoglobin F.	
	ii) In selected cases, 90240 may be billed in addition to 90540, where further electrophoreses (e.g.: citrate agar and/or isoelectric focusing) are required as diagnostic and/or confirmatory tests.	
	iii) Not payable with 90220 (Hemoglobin A2) or 90175 (Fetal Hemoglobin).	
90545	Thrombin time.....	8.31
90555**	Von Willebrand factor antigen	107.66
90560***	Von Willebrand's multimer analysis by Autoradiography	88.77
90565***	White blood cell agglutinins	71.34



SCHEDULE OF FEES
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PAYMENT SCHEDULE

Section Two	Microbiology Fee Items	<p align="center">Issued: October 1, 2015</p> <p align="center">Updated: October 1, 2016</p>
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MICROBIOLOGY FEE ITEMS

The Microbiology Double Asterisk (**) fee items may require review/interpretation or a written report on a proportion of cases. The specific interaction as well as the proportion is a function of the request, the source of the specimen, the methodology utilized, the result, and the clinical context.

The list below has been developed as a guide to when intervention by a Laboratory Medicine/ Medical Microbiologist physician is indicated.

Fee Codes	Name of Test	Laboratory Medicine physician intervention is required in the following circumstances
90600	Acid fast organisms – culture	All positive cultures for Mycobacterium species
90605	Anaerobic culture investigation	All culture positive for C. Perfringens or C.tetani
90610	Serum bactericidal test	All results
90615	Antibiotic susceptibility test	S. Aureus resistant to Oxacillin screening test. Enterococci resistant to Vancomycin or high level amino-glycosides, or Ampicillin. S. Pneumoniae resistant to Oxacillin screen. (For out-patients, organisms resistant to all oral antibiotics tested.)
90625	Blood culture	Positive blood cultures Positive Gram stains from blood cultures.
90660	Diphtheria antibodies	All results
90665	Fungus culture	Positive for significant fungus species as defined by clinically accepted criteria

Fee Codes	Name of Test	Laboratory Medicine physician intervention is required in the following circumstances
90720	Routine culture	Positive cultures from normally sterile body fluids. Positive cultures for "reportable" communicable organisms.
90825	Electron microscopy	Positive for any organism (<i>Virology fee item</i>)
90770	Tetanus antibody	All results
90775	Throat or nose culture	Request for, or positive culture for C.diphtheriae
90780	Additional throat/nose culture	Request for, or positive culture for C.diphtheriae

Note: The table above does not preclude laboratory specialty follow-up as required in all other circumstances.

		Total Fee \$
90600**	Acid fast organisms - culture	24.13
90605**	Anaerobic culture investigation.....	11.77
	Note: This fee may be additional to 90720.	
90610***	Serum bactericidal test	66.41
90615**	Antibiotic susceptibility test: semi-quantitative per organism.	11.61
	Notes:	
	i. To a maximum of three for urine, two for nose/throat	
	ii. Test to be performed on pure culture	
90620	Biochemical identification of micro-organism - per organism.....	9.55
	Note: To a maximum of three for urine, two for nose/throat	
90625**	Blood culture, using aerobic and/or anaerobic media	36.08
90630	C. difficile toxin, immunological method	16.64
	Note: 90630 not to be performed on formed stool and not billable with 90655.	
90640	Candida culture	6.81

Chlamydia

Notes (apply to fee items 90645, 90651 and 90652):

	i) Provide details in note record when 90651 and 90652 are performed on the same day.	
	ii) Provide details in note record when 90645 performed on same day as 90651 or 90652.	
90645	Chlamydia antigen	16.84
	Note: Not payable for urogenital specimens	
90650	Chlamydia culture	42.84
	Note: 90650 cannot be claimed for fluorescent antibody methods (90725).	
90651	Chlamydia trachomatis using NAAT – urine.....	25.18
90652	Chlamydia trachomatis using NAAT – urogenital swab	24.09
90653	Gonorrhea by NAAT – urine	4.76
	Note: Payable only when performed with 90651	
90654	Gonorrhea by NAAT – urogenital swab.....	4.76
	Note: Payable only when performed with 90652	
90655	Clostridium difficile toxin (tissue culture method)	18.09
P90656	C. difficile toxin, real time PCR	48.91
	Notes:	
	i) Not paid with 90630 or 90655	
	ii) Paid in addition to 90745, 90725, 90750 or stool isolate fee (90751)	
	iii) Not to be performed on formed stool	

90660***	Diphtheria antibodies	21.14
90665**	Fungus culture	21.41
90670	Fungus, direct examination KOH preparation	13.76
90675	Hepatitis B e antigen	14.87
	<i>Note: 90675 only to be performed if HBsAg is positive</i>	
90685	Hepatitis A - IgM antibody (anti-HAV-IgM)	18.42
90690	Hepatitis B core antibody (anti-HBc)	10.85
90700	Hepatitis B surface antibody (anti-HBs)	11.08
91765	Hepatitis B surface antigen.....	10.40
90715	Rotavirus antigen.....	16.87
	<i>Note: 90715 restricted to Category III laboratories having a consultant medical microbiologist.</i>	
90720**	Routine culture	15.30
	<i>Note: 90720 not billable for virus isolation.</i>	
90725	Serological identification of bacterial micro-organism	15.94
	Notes:	
	i) 90725 applies to colonial isolates only.	
	ii) When billing multiple 90725 on same specimen, provide note record indicating suspected pathogens.	
90730	Smear for inclusion bodies	12.38
90736**	Cervical culture	15.44
90737**	Vaginal culture	15.40
90738**	Urethral culture	21.17
90739**	Combined vagino-anorectal or vaginal culture for Group B Streptococcus only.....	15.40
	<i>Note: Rectal specimens for pregnancy and/or GBS, bill under 90745.</i>	
90740	Stained smear.....	16.71
	Notes:	
	i) Only in exceptional circumstances will a Gram stain be charged for a throat, nose or urine culture specimen.	
	ii) 90740 also is applicable to fecal leukocyte smear and acid fast smear of stool for <i>Mycobacterium avium-intracellulare</i> , if specifically requested.	
90741**	Genital culture – other site.....	25.28
	Notes:	
	i) Applicable to specimens from penis, introitus, vulva, Bartholin's cysts or non-childbearing age vagina.	
	ii) Specimens from age groups or situations not noted in i) should be billed under other medically appropriate codes.	
90745	Stool culture (to include <i>Campylobacter</i> identification)	16.90
	<i>Note: Campylobacter identification is a mandatory part of stool bacteriological studies. Only 90750, 90751, 90615 and/or 90725 are payable with 90745, and only so when indicated based on stool culture findings and current practice standards.</i>	
90750	Biochemical identification of micro-organism in stool.....	14.42
	<i>Note: A maximum of six biochemical/molecular identification of pathogens (90750/90751) payable per stool culture.</i>	
P90751	Molecular identification, stool isolate	14.90
	<i>Note: A maximum of six biochemical/molecular identification of pathogens (90750/90751) payable per stool culture.</i>	
90755	Streptococcal enzyme slide test	12.52
90760*	Streptococci - rapid test.....	13.02
	<i>Note: Item 90760 is not billable with 90775 or 90780.</i>	
90765	Anti-streptolysin "O" titre.....	11.73
90770***	Tetanus antibodies	21.14
90775**	Throat or nose culture	18.18
90780**	Throat or nose culture - each additional culture	18.18
P90784	Trichomonas Antigen Test.....	18.75
	<i>Note: Not payable with 90785.</i>	
90785	Trichomonas and/or Candida, direct examination.....	11.63
90790	Urine colony count culture	19.57

Ova and Parasites Fee Items

	Total Fee \$
90795 Pinworm Ova - Examination	43.94
90800 Stool examination, concentration methods	46.93
<ul style="list-style-type: none"> i) 90800 not to be billed with 90805. ii) For Vancouver Island Health Authority, 90800 testing restricted to children under 13 years old, returning travellers, immigrants from outside of Canada and the United States of America, and immunocompromised hosts. 	
90805 Macroscopic examination of parasite and/or direct microscopic examination	42.96
<p>Notes:</p> <ul style="list-style-type: none"> i) Applicable to scabies, lice, ticks, worms. ii) 90800 not to be billed with 90805. 	
90810 Stool examination, search for amoebae and/or permanent stain smear	46.93
<p>Note: For Vancouver Island Health Authority, 90810 testing restricted to children under 13 years old, returning travellers, immigrants from outside of Canada and the United States of America, and immunocompromised hosts.</p>	
P90811 Gastrointestinal pathogen multiplex panel (GPMP) and selective culture (SC)	105.04
<p>Notes:</p> <ul style="list-style-type: none"> i) Fee item P90811 restricted to Victoria General Hospital Laboratory and Royal Jubilee Hospital Laboratory at Vancouver Island Health Authority (VIHA). ii) For VIHA only, P90811 not payable with: 90630, 90655, P90656, 90725, 90745, 90750 & P90751. 	



SCHEDULE OF FEES
For the Laboratory Services Outpatient
PAYMENT SCHEDULE

Section Three	Chemistry Fee Items	Issued: October 1, 2015 Updated: October 1, 2016
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CHEMISTRY FEE ITEMS

**Total
Fee \$**

Base Fees:

Notes: (These Notes apply to 91000, 91005 and 91010)

- i) 91000 is only applicable to tests requested from the "panel" listed below and are performed in the same facility or within the same laboratory accessioning system;
- ii) 91005 and 91010 are applicable to the collecting and the referral facilities when the initial facility performs only a portion of the tests requested and refers the remainder to a different facility or a different laboratory accessioning system;
- iii) 91005 and 91010 are not applicable to further referrals to additional facilities;
- iv) The base fee should be billed only with 91040, 91042, 91065, 91070, 91210, 91235, 91236, 91245, 91246, 91250, 91275, 91326, 91328, 91366, 91368, 91369, 91415, 91420, 91421, 91707, 91709, 91725, 91745, 91900, 91901, 91902, 92070, 92071, 92100, 92102, 92103, 92147, 92148, 92149, 92230, 92231, 92233, 92365, 92366, 92368, 92369, 92370, 92375, 92376 and 92377.

91000	Primary base fee	15.62
	Note: Not payable with 91690 or 91715	
91005	Split base fee (collecting facility)	7.02
91010	Split base fee (referral facility)	7.02
91020***	Acetylcholine receptor antibodies - qualitative	101.93
91021***	Acetylcholine receptor antibodies - quantitative	167.50
P91022***	Muscle-specific Tyrosine Kinase Antibody (MuSK Ab)	245.60

Notes:

- i) Testing is restricted to UBC Diagnostic Services Laboratory (DSL).
- ii) Fee item P91022 is only payable when requested by a Neurologist in BC diagnosing and treating patients suspected of having or confirmed to have Myasthenia Gravis (MG) or other Neuromuscular Junction disorders.
- iii) MuSK Ab test may only be requested following negative samples for fee item 91020 Acetylcholine receptor antibodies – qualitative, or fee item 91021 Acetylcholine receptor antibodies -quantitative.
- iv) Consultation with a Laboratory Medicine physician is required before MuSK Ab test may be requested (a triple asterisk fee item).

	v) Repeat testing in 3- 6 months may be indicated in patients with borderline results, as well as for a confirmed MG patient to monitor treatment response. Repeat testing in negative patients is not indicated.	
91027**	Acid Lipase, white blood cells.....	51.25
	Note: Restricted to BC Children's Hospital.	
91035**	ACTH, plasma	36.57
91036***	ACTH stimulation test.....	45.24
91037**	Acylcarnitine profiling.....	41.28
	Note: Restricted to BC Children's Hospital.	
91040	Albumin - serum/plasma	1.55
91042	Albumin - transudate/exudate.....	1.06
91050	Alcohol.....	20.79
91055	Aldolase	14.12
91060**	Aldosterone - plasma.....	170.92
91061**	Aldosterone - urine	170.92
91065	Alanine aminotransferase (ALT).....	1.47
	Notes:	
	i) Fee item 91065 Alanine aminotransferase (ALT) is the preferred liver function test and is a superior marker of hepatocellular damage compared to the 91210 Aspartate aminotransferase (AST) test.	
	ii) In addition, measurement of AST 91210 in conjunction with ALT 91065 rarely adds clinical value and should not be co-billed, unless clinically indicated.	
91070	Alkaline phosphatase	1.57
91075*	Allergen specific IGE assay, per antigen.....	16.13
	Notes:	
	i) The performing laboratory must document that the patient meets the approved indications and supply that information as a billing note record.	
	ii) The standard number of allowable allergen specific 1gE antibodies per 12 month period is 5 per patient.	
	iii) This number can be increased to 10 when further approved by a Laboratory Medicine physician. This will require the addition of the MSP practitioner number of the approving Laboratory Medicine physician to the note record.	
	iv) If the referring physician is a Clinical Immunology & Allergy specialist, the number of allowable tests per 12 month period can exceed the allowable number specified in ii) or iii), up to 20. A note record is required beyond 20.	
91080	Alpha-1 antitrypsin.....	20.06
91090	Alpha fetoglobulin	13.03
91095	Alpha fetoprotein	24.79
91096**	Alpha-iduronidase, white blood cells	51.25
	Note: Restricted to BC Children's Hospital	
91097**	Alpha-mannosidase, white blood cells	51.25
	Note: Restricted to BC Children's Hospital.	
91100*	Aluminum.....	49.19
91105**	Amino acids, quantitative (chromatography)	78.42
91110**	Amino acids-urine (chromatography)	54.27
91115	Ammonia.....	7.41
91120***	Amniotic fluid, bilirubin scan	55.10
91125	Amylase - cyst	13.73
91126	Amylase - serum/plasma	5.27
	Notes:	
	i) 91126 not payable with 91930 (Lipase).	
	ii) Not payable if lipase sent to a referral facility.	
91127	Amylase - transudate/exudate.....	13.66
91128	Amylase - urine.....	7.53
91135	Androstenedione, plasma.....	36.09
91140	Angiotensin converting enzyme (ACE), analysis in serum.....	18.72

91142**	Anti-diuretic hormone (ADH), plasma.....	113.81
91155*	Antiglomerular basement membrane antibody.....	25.73
P91162	Anti-tissue transglutaminase antibodies (anti-TTG), IgA.....	24.18
	Notes:	
	<i>i) Fee includes payment for IgA quantitation when instrument readout suggests IgA deficiency or when 91162 is requested concurrently with 91840 and 91845.</i>	
	<i>ii) Not payable with 91800 or 91802.</i>	
91165*	Apolipoprotein A-1	20.40
91170	Apolipoprotein B-100	16.60
	Note: <i>Not payable with 91375, 91780, or 92350 (Lipid profile, full or partial), except in relatively rare cases when it is payable at 50%, provided the referring practitioner has entered the indication (e.g.: "complex dyslipidemia") in the diagnosis portion of the requisition form.</i>	
91180***	Apoprotein E genotyping	93.90
91185*	Arsenic.....	43.40
91191**	Aryl sulfatase A - white blood cells.....	51.38
91196**	Aryl sulfatase B - white blood cells.....	51.38
91200**	Aryl sulfatase C - fibroblasts.....	51.38
91201**	Aryl sulfatase C - white blood cells.....	51.38
91205	Ascorbic acid (vitamin C).....	26.76
91210	Aspartate aminotransferase (AST).....	1.73
	Notes:	
	<i>i) Fee item 91065 Alanine aminotransferase (ALT) is the preferred liver function test and is a superior marker of hepatocellular damage compared to the 91210 Aspartate aminotransferase (AST) test.</i>	
	<i>ii) In addition, measurement of AST 91210 in conjunction with ALT 91065 rarely adds clinical value and should not be co-billed, unless clinically indicated.</i>	
	<i>iii) 91210 AST should only be requested to evaluate liver fibrosis or steatohepatitis.</i>	
91216**	B-galactosidase - white blood cells	51.38
91221**	B-glucosidase- white blood cells	51.38
91226	B-glucosidase- quantitative	35.61
91230	Beta-2 - microglobulin.....	20.40
91232**	Beta-mannosidase, white blood cells	51.25
	Note: <i>Restricted to BC Children's Hospital.</i>	
91235	Bicarbonate - serum/plasma.....	2.37
91236	Bicarbonate - urine	1.06
91240	Bile pigments and salts, qualitative - urine	2.34
91241***	Bile acids, total	36.58
	Notes:	
	<i>i) Payable to a maximum six per patient in the third trimester.</i>	
	<i>ii) Restricted to BC Children's Hospital.</i>	
	<i>iii) Billing restricted to pregnant females only.</i>	
91245	Bilirubin, total - serum/plasma	1.61
91246	Bilirubin, total - transudate/exudate	1.05
91250	Bilirubin, direct	1.58
91255	Blood, qualitative - gastric	2.44
91260	Bone GLA protein (osteocalcin).....	17.76
91270	Bromides, qualitative - urine	10.48
91275	B-type Natriuretic Peptide (BNP or NT-proBNP)	28.14
	Notes:	
	<i>Payable for:</i>	
	<i>(a) assessment of symptomatic patients where the diagnosis of heart failure remains in doubt after standard assessment.</i>	
	<i>(b) repeat testing not payable more than once annually unless requested by the practitioner for new clinical episode suspicious for heart failure or in the tertiary cardiac care outpatient setting for prognostic stratification of heart failure.</i>	
	<i>(c) not payable for repeat testing for monitoring therapy.</i>	

91280	C - 1q esterase inhibitors	22.86
91285	C - 3 complement	9.61
91290	C - 4 complement	9.87
91295	C - peptide	47.42
91300	C - reactive protein	10.31
<i>Note: When requested concurrently with 90515 (Sedimentation rate), only 91300 is payable.</i>		
91305	CA 15-3.....	21.25
91310	CA 125	22.72
91315	CA 19-9.....	20.88
91320	Calcitonin	50.63
91325	Calcium - timed urine collection.....	5.48
91326	Calcium - total, serum/plasma	1.55
91327	Calcium - 24 hour excretion, feces	19.73
91328	Calcium - urine random	1.05
91330	Calculus analysis - urine.....	27.86
91335	Carbamazepine	15.32
91340	Carbon monoxide, quantitative.....	17.58
Notes:		
i) Payable for carboxyhemoglobin determinations utilizing a blood gas analyzer.		
ii) Not payable with 92045.		
91345	Carotene	8.90
91350**	Catecholamines	59.27
91351**	Catecholamines fractions	40.79
<i>Note: By separation into various types on same patient, same time with interpretation</i>		
91352**	Catecholamines - urine.....	46.45
91353	Cell count - examination for feces	5.46
91360	Ceruloplasmin.....	10.15
91365	Chloride - quantitative - CSF and other fluids	7.21
91366	Chloride - serum/plasma	1.49
91367	Chloride - timed urine collection	10.06
91368	Chloride - urine random.....	3.26
91369	Chloride - whole blood.....	1.06
91370**	Chloride - by iontophoresis - sweat	77.50

*Note: A request for **electrolytes** will be interpreted as a request for sodium and potassium only. Assays of **chloride** and bicarbonate will not be performed unless medically justified and specifically requested by a referring practitioner. The minister insures a volume of **chloride** and bicarbonate assays that amounts to no more than approximately 11% of the volume of assays for sodium and potassium.*

91375	Cholesterol, total.....	6.87
91380**	Cholinesterase with dibucaine number	30.26
91388***	Chromatography - thin layer (T.L.C.).....	32.65
91390	Complement assay	19.63
91395	Complement, total haemolytic (CH 100)	43.71
91400	Copper- serum.....	49.19
91401*	Copper- tissue	49.77
91402	Copper- urine.....	49.78
91405	Cortisol.....	13.28
91406*	Cortisol, late night salivary test.....	77.25
Notes:		
i) Restricted to Vancouver General Hospital.		
ii) Payable only when requested by General Internists, Endocrinologists, Pediatricians and General Surgeons.		

iii) *The daily maximum is one per patient.*

91410	Creatine - timed urine collection	12.73
91415	Creatine kinase (phosphokinase)	1.88
91420	Creatinine - random urine	5.10
Note: <i>Not payable with 91985 (Albumin creatinine ratio (ACR)).</i>		
91421	Creatinine - serum/plasma	1.52
91422	Creatinine - timed urine collection	5.80
91425	Cryofibrinogen	17.38
91430*	Culturing skin fibroblasts for biochemical or DNA analysis	603.88
91440	Cryoglobulins	41.92
91445	CSF - Albumin	20.16
91450	CSF - Immunoglobulin G	20.40
91455	Cyclosporine	23.47
91460	Dehydroepiandrosterone, serum (DHEA)	18.55
91465	Digoxin	18.97

Drug assay (single): *(Apply to fee items 91482 – 91574)*

91482	- Acetaminophen (quantitative).....	11.47
91484	- Amikacin	45.99
91488	- Amitriptyline	24.64
91494	- Citrate, urine	24.66
91498	- Clomipramine	49.82
91500	- Clonazepam	46.53
91502	- Clozapine.....	27.92
91506	- Desipramine	24.35
91508	- Desmethylclobazam	46.53
91510*	- Diazepam	46.53
91524	- Gentamycin	26.69
91528	- Imipramine.....	46.53
91529*	-Lamotrigine.....	24.64
91538	- Methotrexate.....	46.53
91542	- Methylphenidate	46.53
91550	- Nortriptyline	24.35
91551*	- Olanzapine	24.64
91558	- Propranolol	46.53
91559*	- Quetiapine	24.64
91561*	- Risperidone	26.46
91564	- Tobramycin.....	26.17
91565*	- Topiramate	24.64
91572	- Valproic acid.....	16.55
91573	- Vancomycin	15.57
91574	- Zopiclone	24.64
91599	Drug assay - multiple (2 or more).....	53.46

92550	Urine, Drugs of Abuse Screen – per Analyte – single use kit	6.95
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Notes:

- i) *The above listing is for use in low volume settings only. Laboratories performing tests on greater than 1000 patients per year are expected to use specific listings indicated.*
- ii) *Maximum of 6 analytes per patient per day.*

Screening Assay Notes *(Apply to fee items 92503 – 92513)*

- i) *A maximum of 7 screening assays per patient, per day may be billed.*
- ii) *A request for a 'drug screen' will be interpreted as a request for analysis for methadone/methadone metabolite, opiates, benzodiazepines, cocaine/cocaine metabolite and amphetamines only.*

92503	Amphetamines.....	9.55
92505	Benzodiazepines	8.39
92506	Tetrahydrocannabinoids (THC)	10.92
92507	Cocaine / Cocaine Metabolite.....	7.10
92508	Ethanol.....	6.92
92510	Methadone Metabolite	6.80
92511	Opiates	7.16
92513	Methadone.....	3.50
	Note: Not billable if laboratory has capability of performing methadone metabolite screening test.	
92514	Oxycodone, screening assay	12.82
	Notes:	
	i) Not paid to facilities that bill 92550.	
	ii) Only paid for immunoassays labelled specifically for oxycodone testing.	
	iii) Paid for screening with mass spectrometry or comparable method.	
92518	Fentanyl, urine screening immunoassay	13.10
	Notes:	
	i) Only paid for immunoassays labelled specifically for fentanyl testing.	
	ii) The urine screening immunoassay for fentanyl (92518) is adequate for most clinical situations and requests for confirmatory testing (fee item 92525) will only be considered after a positive screening immunoassay.	
	(1) Confirmatory and Specific Quantitative Assay Testing:	
92515*	Blood Methadone	46.42
	Note: Up to two specimens payable per day.	
	(2) Confirmatory and Specific Quantitative Assay Testing:	
	Notes: Apply to fee items 92520 - 92545	
	i) Two or more specific quantitative assays from fee items 92520 - 92545 are payable at the rate of the Comprehensive Drug Analysis (fee item 92546). Only one specimen per patient per day is payable;	
	ii) Applicable only to cases where the presence of the drug would have a significant impact on the management of the patient.	
92520*	1-Amphetamine	70.92
92521*	1-Metamphetamine.....	70.92
92525*	Fentanyl.....	70.92
	Note: Testing for confirmation (fee item 92525) of positive fentanyl screening assays (fee item 92518) will only be performed and payable following direct consultation with and approval by a Laboratory Medicine physician.	
92527*	Hydrocodone	70.92
92528*	Hydromorphone	70.92
92529*	Meperidine	70.92
92534*	Methylenedioxyamphetamine.....	70.92
92535*	Methylenedioxymethamphetamine.....	70.92
92536*	N-Acetyl Morphine	70.92
92538*	Oxycodone, confirmation of a positive screen.....	70.92
92539*	Oxymorphone	70.92
92543*	Propoxyphene.....	70.92
92545*	GC/MS Confirmation of Positive Screen	67.92
	Note: Payable for confirmatory methods utilizing liquid chromatography mass spectrometry (LC-MS).	
92546	Comprehensive Drug Analysis	119.94
	Note: Applicable only if an unknown drug could be the cause of unexplained neurological or psychiatric symptoms and where the presence of the drug would have a significant impact on the management of the patient.	
91600**	Electrophoresis – protein, qualitative	26.54

91601**	Electrophoresis – protein, quantitative	34.58
	Note: Includes fee item 92148 (Proteins, total, serum or plasma)	
91602**	Electrophoresis - C.S.F.	31.21
91603**	Electrophoresis - qualitative, urine	31.35
91605	Erythrocyte galactose 1 - phosphate transferase.....	70.84
91610	Estradiol.....	22.43
91620	Ethosuximide	18.47
91630	Fecal pH	3.92
91631	Fat, microscopic examination - feces	5.48
91635	Fecal elastase.....	46.65
	Note: Restricted to BC Children’s and Women’s Hospital Laboratory	
91636	Fat, microscopic examination - balance 3 day - feces	92.68
91640	Fatty acids, nonesterified (free)	22.79
91645	Ferritin, serum.....	10.12
91650	Fibrinogen, quantitative, chemical.....	28.68
	Note: 91650 not chargeable for Fibrindex or other non-quantitative methods.	
91660	Follicle stimulating hormone (FSH)	13.13
91666**	Galactocerebrosidase - white blood cells.....	51.38
91685	Gastrin	63.32
91690	Glucose - gestational assessment	10.03
	Notes:	
	i) Not payable with 91000 or 91707.	
	ii) For chemical profile tests other than 91707 requested with 91715 or 91690, bill 91005 for the base fee.	
	iii) 91690 is restricted to Category IIC and Category III laboratories.	
91695	Glucose tolerance test - gestational protocol	15.84
	Notes:	
	i) Not payable with 91707 (Glucose serum plasma).	
	ii) Limited to one test per pregnancy.	
91700	Glucose semiquantitative	3.53
	Note: Dipstick analysed visually or by reflectance meter	
	<u>Glucose quantitative</u>	
91705	Glucose quantitative - CSF.....	6.45
91706	Glucose quantitative - joint fluid.....	6.45
91707	Glucose quantitative - serum/plasma	1.46
	Note: Not payable in addition to 91690 (Glucose, gestational assessment) or 91715 (Glucose tolerance test, 2 – 5 hours) or 91695 (Glucose tolerance test – gestational protocol).	
91708	Glucose quantitative - transudate/exudate	6.45
91709	Glucose quantitative - urine.....	1.06
	<u>Glucose qualitative</u>	
91710	Glucose - timed urine collection	7.13
91715***	Glucose tolerance test, 2 to 5 hours	12.94
	Notes:	
	i) Not payable with 91000 or 91707.	
	ii) For chemical profile tests other than 91707 requested with 91715 or 91690, bill 91005 for the base fee.	
91716**	Glucose tolerance test - 6 hours or more	39.40
91717**	Glucose tolerance test - intravenous.....	38.90
	Note: Fees include all urine and blood specimens.	
91720	Glucose phosphate isomerase	14.29
91725	Glutamyl transpeptidase - (GTP).....	1.66
91730	Glutathione peroxidase.....	44.32
91735	Gold	43.91
91740	Haptoglobin.....	19.77
91745	Hemoglobin, A1C	5.30

	Note: 91745 is restricted to Category III laboratories.	
91750	Hemoglobin, qualitative - urine	2.28
91760	Helicobacter pylori Carbon 13 urea breath test	36.50
P91761	Helicobacter pylori stool antigen (HPSA)	35.64
91770**	Hexosaminidases	51.38
	Note: Restricted to BC Children's Hospital only.	
91775**	Hexosaminidase - serum	51.38
91777**	Hexosaminidase - white blood cells	99.30
	Note: Restricted to BC Children's Hospital.	
91780	High density lipoproteins cholesterol (HDL cholesterol)	7.85
91785	Homocystine, screening test - urine	2.28
91790**	Homovanillic acid (quantitative) urine	38.61
91795	Hydroxyindoleacetic acid (5 H.I.A.A.) - urine	9.28
91796	Hydroxyindoleacetic acid (5 H.I.A.A.) - quantitative - urine	44.28
91800	IgA Anti-gliadin antibodies	32.58
	Note: Applicable only to TTG negative gluten sensitive enteropathy	
91801	I _g A quantitative - secretion	20.31
91802	I _g A quantitative - serum/plasma	9.83
	Note: Not payable with 91162 (Anti-tissue transglutaminase antibodies (anti-TTG), IgA).	
91803	I _g G quantitative - spinal fluid	20.06
91805	I _g F - I (Somatomedin - C)	55.08
91810*	I _g G ¹	24.85
91811*	I _g G ²	24.85
91812*	I _g G ³	24.85
91813*	I _g G ⁴	24.85
91814	I _g G blocking antibody	20.40
91840	I _g G - quantitative	9.95
91845	I _g M - quantitative	10.05
91815*	Immune complex detection by Clq binding method	44.66
91820***	Immunofixation - CSF	105.31
91821***	Immunofixation - serum/plasma	104.12
91822***	Immunofixation - urine	104.12
91825	Immunoglobulin D	20.40
91830	Immunoglobulin and specific protein assays	20.40
	Note: Item 91830 should only be billed for immunoglobulin and specific protein assays with no listing, for indicators approved by the minister.	
91831	Immunoglobulin and specific protein assays - additional assay	
	Note: Same patient, same specimen, same day	12.53
91835	Immunoreactive trypsin	18.80
91855	Insulin, first specimen	27.55
91856	Insulin - each additional specimen (same patient and same time)	19.49
91857	Insulin - tolerance test, per specimen	6.29
91858***	Interferon beta, neutralizing antibodies	205.52
	Notes:	
	i) Performance of this test is limited to the UBC Diagnostic Services Laboratory.	
	ii) Payable only when requested by Neurologists at the Multiple Sclerosis (MS) Clinics in B.C.	
	iii) Paid only for multiple sclerosis patients at MS Clinics receiving Interferon beta.	
	iv) Testing frequency for an MS patient may be every three months in specific clearly documented circumstances.	
91860	Ionized calcium	14.02
P91861***	Voltage-gated Calcium Channel Antibody (VGCC Ab)	281.78
	Notes:	
	i) Testing is restricted to UBC Diagnostic Services Laboratory (DSL).	

	ii) Fee item P91861 is only payable when requested by a Neurologist in BC testing patients for Lambert-Eaton Myasthenic Syndrome (LEMS) and in paraneoplastic and non-paraneoplastic cerebellar degeneration.	
	iii) Consultation with a Laboratory Medicine physician is required before this test may be requested (a triple asterisk fee item).	
	iv) VGCC Ab is a once in a lifetime test.	
91865	Iron, total and binding capacity	7.56
	Notes:	
	i) Laboratories may utilize binding capacity or transferrin to calculate transferrin saturation.	
	ii) Not payable with 92345.	
91870**	Isoenzymes by electrophoresis	25.53
	Note: Applicable to alkaline phosphatase only.	
91881	Keto acids, chromatography - total, chemical - urine	10.99
91882	Keto acids, chromatography - screening tests - urine	5.44
91895	Lactate - serum/plasma	7.64
91896	Lactate - whole blood	17.89
91900	Lactate dehydrogenase - CSF	1.06
91901	Lactate dehydrogenase - serum/plasma	1.62
91902	Lactate dehydrogenase - transudate/exudate	1.05
91905	Lactose, qualitative - urine	9.81
91910	Lead	130.68
91911	Lead - timed urine collection	40.68
91915***	Lecithin sphingomyelin ratio	232.26
91920***	LHRH stimulation test - in addition to specific tests billed.	46.22
	Notes:	
	i. To be charged only when a written consultative report is submitted.	
	ii. Requires consultation with a Laboratory Medicine physician and written interpretation.	
	iii. Fee includes all time spent with patient including injections or medications given.	
	iv. Not billable with other consultation fees.	
91925***	Light Chains, free kappa and lambda with ratio – quantitative	78.99
	Note: Payable for Plasma cell dyscrasias including oligo-secretory or non-secreting myeloma, primary amyloidosis, light-chain only form of myeloma and monoclonal gammopathy of unknown significance.	
91930	Lipase	6.62
	Note: Not payable with 91126 (Amylase – serum/plasma).	
91935*	Lipoprotein (a)	29.61
91940**	Lipoprotein electrophoresis	56.04
	Note: Consultation and approval for 91940 must be documented by the Laboratory Medicine physician in cases of genetically related lipid abnormalities.	
91945	Lithium - serum/plasma	14.94
91950	Luteinizing hormone (LH)	12.41
91955	Magnesium - fecal	25.15
91957	Magnesium - serum/plasma	6.79
91958	Magnesium - urine	10.06
91965*	Mercury	52.42
91975**	Metanephrines, quantitative - 24 hour urine	155.77
91985	Albumin creatinine ratio (ACR)	11.41
	Note: Not payable with 91420 (Creatinine – random urine).	
91990	Microscopic examination of feces	5.08
	Note: Includes visual analysis of muscle fibres, fat globules, white cells, etc.	
91992	Mitochondrial preparation – muscle	90.55
	Note: Restricted to BC Children's Hospital.	
91995	Mucopolysaccharides - urine	59.55
91997**	N-acetyl-Galactosamine-6-sulfate sulfatase, white blood cells	93.71
	Note: Restricted to BC Children's Hospital.	
92001	Nitrogen - 24 hr. excretion - urine	6.43

92005	Occult blood - feces	6.02
	Note: <i>Applies only to guaiac methods</i>	
92006	Fecal Immunochemical Test (FIT) - For analysis only	9.38
	Notes:	
	i) <i>Not paid with 92005.</i>	
	ii) <i>Paid once per screen.</i>	
92007	Fecal Immunochemical Test (FIT) - For sample collection only.....	5.36
	Notes:	
	i) <i>Not paid with 92005.</i>	
	ii) <i>Paid once per screen.</i>	
92010	Organic acids.....	105.41
92015	Osmolar concentration, serum	49.25
92016	Osmolar concentration - urine	49.41
	Note: <i>Use this listing for concentration test, dilution test and Mosenthal test in urine. Charge number of osmolar concentrations performed.</i>	
92020	Oxalate, timed urine collection	58.00
92025	Oxygen, capacity or content (direct gas analysis).....	20.06
92026	Oxygen - saturation (photometric).....	10.93
92030	Parathyroid hormone (intact).....	17.52
92040	Peptide hormones (by R.I.A.)	25.18
92045	pH, pCO ₂ , and pO ₂	36.18
92050	Phenothiazine screen	7.24
92056	Phenylalanine - quantitative	20.56
	Note: <i>92056 is not chargeable for Mann kit method</i>	
92060	Phenytoin, quantitative	17.13
92070	Phosphates – random urine	2.24
92071	Phosphates - serum/plasma.....	1.62
92072	Phosphates - timed urine collection	3.95
92075	Pigments, abnormal, (spectroscopic)	14.06
92080**	Homocysteine - plasma	22.97
92085	Porphobilinogen, qualitative (P.B.G.) - urine	9.70
92090	Porphyrins - qualitative, urine	7.62
92091	Porphyrins - quantitative with separation - urine	56.74
92092	Porphyrins - quantitative with separation - feces.....	132.71
92095**	Porphyrins - quantitative - blood.....	21.76
92100	Potassium - serum/plasma	1.39
92101	Potassium - timed urine collection.....	5.57
92102	Potassium - urine random	2.84
92103	Potassium - whole blood	1.05

*Note (Applies to fee items 92100, 92101, 92102, and 92103): A request for **electrolytes** will be interpreted as a request for sodium and **potassium** only. Assays of chloride and bicarbonate will not be performed unless medically justified and specifically requested by a referring practitioner. The minister insures a volume of chloride and bicarbonate assays that amounts to no more than approximately 11% of the volume of assays for sodium and **potassium**.*

92105	Pre albumin	20.16
92108	Pregnancy test, immunologic - urine	15.50
	Notes:	
	i) <i>Payable for pregnancy testing utilizing pregnancy test devices approved for professional use, or qualitative hCG methods utilizing automated test systems.</i>	
	ii) <i>Not payable for quantitative hCG testing utilizing automated test systems.</i>	
92110	Pregnancy test - serum	14.74
	Notes:	

	i) Payable for pregnancy testing utilizing pregnancy test devices approved for professional use, or qualitative hCG methods utilizing automated test systems.	
	ii) Not payable for quantitative hCG testing utilizing automated test systems.	
92125	Primidone (mysolene).....	18.49
92130	Progesterone, serum/plasma	14.86
92131	Progesterone 17-OH, serum/plasma.....	41.71
92135	Prolactin	13.49
90710	Prostatic specific antigen (PSA)	14.35
	Note: This test is not intended for use as a diagnostic screening tool. It is intended only for known or suspected prostate cancer. All screening for PSA is patient pay.	
92145	Proteins - total, quantitative – including CSF	7.14
92146	Proteins - timed urine collection	5.95
92147	Proteins - total, joint fluid	1.05
92148	Proteins - total, serum or plasma.....	1.60
92149	Proteins - total, transudate/exudate	1.05
92150	Protease inhibitor typing of alpha 1, antitrypsin deficiency	32.95
92151***	Purine, pyrimidine and creatine disorder (PPCD) screen	63.34
	Note: Restricted to BC Children's Hospital.	
92152	Pyridinium Cross Links	24.67
92155	Pyruvates.....	17.98
92160	Quantitative beta hCG	16.30
92165	Quantitative hCG (intact).....	25.18
92170	Quantitative I _g E assay (performed in duplicate)	13.72
92185**	Renin - single determination.....	63.87
92190**	Renin - two or more determinations	98.11
92195**	Respiratory chain enzymes – muscle.....	274.56
	Notes:	
	i) Includes Complex I, Complex II, Complex IV, citrate synthase.	
	ii) Restricted to BC Children's Hospital.	
92200	Salicylates, qualitative - serum	5.24
92202	Salicylates, qualitative - urine.....	2.99
92203	Salicylates, quantitative - serum.....	9.26
92215*	Selenium.....	49.77
92220	Seminal fructose	7.32
92225	Serum viscosity	23.17
92227	Sirolimus.....	43.01
92230	Sodium - random urine	2.72
92231	Sodium - serum/plasma.....	1.38
92232	Sodium - timed urine collection	4.60
92233	Sodium - whole blood	1.05
<p><i>Note (Applies to fee items 92230, 92231, 92232, and 92233): A request for electrolytes will be interpreted as a request for sodium and potassium only. Assays of chloride and bicarbonate will not be performed unless medically justified and specifically requested by a referring practitioner. The minister insures a volume of chloride and bicarbonate assays that amounts to no more than approximately 11% of the volume of assays for sodium and potassium.</i></p>		
92235*	Somatotropin, one specimen.....	30.38
92236*	Somatotropin - each additional specimen	19.36
92251**	Sphingomyelinase - white blood cells	51.38
92255	Sulfonamides, quantitative - urine	3.74
92260**	Sweat test (mucoviscidosis), chemical.....	10.20
92263	Tacrolimus	23.47
92266	Testosterone - total.....	15.81

Note: Testosterone, total (TT) should be the first test performed for the assessment of androgen deficiency. Requisitions for calculated bioavailable testosterone (cBAT) will be substituted with a determination of Testosterone, total (TT) + SHBG (if the TT or clinical situation meets the approved criteria for SHBG addition).

92267** Sex hormone binding globulin (SHBG) 13.56

Notes:

- i) Total testosterone (TT) should be the first test performed for the assessment of androgen deficiency.
- ii) In adult males (>18 yrs.), SHBG should only be done on patients whose TT lies within the upper half of the subnormal range \pm 10% (4-10 nmol/L for current Centaur method).
- iii) SHBG may be requested and measured in females between the ages of 19-49, or in others if approved by the laboratory medicine physician, as clinically warranted.
- iv) For males, the morning specimen should be collected before 11 AM.

92270* Thallium 43.91

92275 Theophylline 42.33

92280 Thyroglobulin 27.90

Note: Primary use is as a tumor marker for thyroid cancer. Non-neoplastic conditions where thyroglobulin measurement may be useful are thyrotoxicosis factitia, congenital hypothyroidism and inflammatory thyroiditis.

92285* Thyroglobulin antibodies 20.40

Note: Thyroglobulin antibodies should only be performed as an adjunct to thyroglobulin measurement for the conditions listed under 92280.

92305* Thyroid receptor antibodies 22.48

Note: Requires consultation with laboratory medicine physician.

Thyroid function tests

92310 Total T3 12.12

Notes:

- i) Total T3 should only be requested and performed when total T4, free T4 or TSH are not diagnostic of thyroid disease;
- ii) The volume of tests for total T3 should not exceed 10 percent of the volume of tests for total T4 and/or TSH.

92311 T3 - free 9.35

92315 T4 or total thyroxine 12.12

92320*** Thyroid Releasing Hormone (TRH) Stimulation Test 55.91

Note: Includes all time spent with patient, including injection and medication administered.

92325 Thyroid stimulating hormone (TSH) - any method 9.90

92330 Free T4 12.12

Notes: Thyroid disease tests:

- i) TSH is the preferred test for the initial investigation of thyroid disease and for monitoring thyroid hormone replacement therapy.
- ii) For the initial diagnosis of thyroid disease, confirmation of an abnormal TSH with a free T4 is indicated.
- iii) Refer to GPAC [Guideline](#): "Thyroid Function Tests: Diagnoses and Monitoring of Thyroid Function Disorders in Adults (January 2010)" for other situations and additional information.

92332 Thyroperoxidase antibodies 20.22

Note: Payable only for possible autoimmune thyroid disease

92335* Tissue iron 43.91

92340 Transcobalamine II 20.40

92345 Transferrin 7.56

Notes:

- i) Includes iron, when transferrin saturation requested.
- ii) Laboratories may utilize binding capacity or transferrin to calculate transferrin saturation.

	<i>iii) Not payable with 91865 (Iron, total and binding capacity).</i>	
92346**	Transferrin Isoelectric focusing (qualitative)	90.49
	Note: Restricted to BC Children's Hospital.	
92350	Triglycerides - serum/plasma	6.59
92351	Triglycerides - transudate/exudate	9.05
92353**	13C Triolein Breath Test for malabsorption.....	67.91
	Notes:	
	<i>i) Includes collection of "before" and "after" breath samples.</i>	
	<i>ii) Not billable with 91636.</i>	
92355	Troponin.....	15.05
92360	Trypsin - qualitative - feces.....	2.24
92365	Urea - amniotic fluid.....	1.06
92366	Urea - CSF.....	1.06
92367	Urea - nitrogen quantitative - urine	7.42
92368	Urea - serum/plasma	1.57
92369	Urea - urine random	1.76
92370	Urea - whole blood	1.06
92375	Uric acid - random urine	1.06
92376	Uric acid - serum/plasma.....	1.70
92377	Uric acid - synovial fluid.....	1.58
92378	Uric acid - timed urine collection.....	4.56
	Urinalysis	
92382	Urinalysis - Complete diagnostic, semi-quant and microscopic.....	5.63
92385	Urinalysis - Chemical or any part of (screening)	2.05
92390	Urinalysis – Macroscopic	
	Note: To include any/all of dipstick, specific gravity, visual	7.42
92391	Urinalysis - Microscopic examination of centrifuged deposit.....	4.19
92395	Urinalysis - Microscopic.....	7.17
	Note: 92395 restricted to Category IIC and Category III laboratories	
92396	Microalbumin, semiquantitative by urine dipstick	6.68
92397	Protein creatinine ratio, urine.....	7.67
	Note: Not paid with 92146, 91985, 91420 or 91422.	
92405	Urobilinogen, qualitative - urine	4.09
92420**	Vanillylmandelic acid (V.M.A.).....	38.61
92425*	Very long chain fatty acids.....	91.69
92430***	Vitamin A	47.86
92435*	Vitamin B1	54.30
92440*	Vitamin B2	54.30
92450	Vitamin B12	14.38
92455**	Vitamin D (1,25 dihydroxy)	94.49
92460**	Vitamin D (25 Hydroxy-cholecalciferol)	61.32
	Notes:	
	<i>i) 92460 is not intended for other metabolites of Vitamin D.</i>	
	<i>ii) Payable only for beneficiaries under the age of 19 years or when requested by a specialist.</i>	
	<i>iii) Refer to GPAC <u>guideline</u> "Vitamin D Testing Protocol" for additional information.</i>	
92465	Vitamin E	53.94
92467	White blood cell preparation for lysosomal enzyme testing	42.36
	Note: Restricted to BC Children's Hospital.	
92470**	Xylose tolerance	106.16
92475	Zinc	102.44



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Section Four	Cytogenetics Fee Items	Issued: October 1, 2015 Updated: October 1, 2016
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CYTOGENETICS FEE ITEMS

	Total Fee \$
93015*** Cytogenetic analysis of short term blood culture (lymphocytes)	301.44
93020*** Cytogenetic analysis of bone marrow/malignant effusion	516.59
93025*** Cytogenetic analysis of chorionic villus sampling.....	727.15
<i>Note: Not to be billed with 93030 on same day.</i>	
93030** Cytogenetic analysis of cultured amniotic fluid.....	414.61
93035*** Cytogenetic analysis of cultured tissue (skin, amnion etc.).....	414.49
93040*** Cytogenetic analysis of prenatal fetal blood sample	392.46
93045*** Cytogenetic analysis of solid tumours	966.29
93050*** Cytogenetic analysis/fluorescence in situ hybridization (FISH), complex	466.46
<i>Note:</i>	
<i>For cytogenetic evaluation of engraftment in opposite-sex bone marrow transplants, follow-up investigations for leukemia patients with known cancer specific chromosome abnormalities, and rare and complex investigations requiring detailed molecular probing.</i>	
P93051 Cytogenetic analysis/fluorescence in situ hybridization (FISH), single probe	192.68
<i>Notes:</i>	
<i>i) For investigations in which a single molecular probe reagent is used as an adjunct to standard cytogenetic techniques for the detection or interpretation of specific chromosome abnormalities.</i>	
<i>ii) To a maximum of three services per patient; greater than 3 services requires a note record.</i>	
P93052 Cytogenetic analysis/fluorescence in situ hybridization (FISH), subtelomeric probe.....	515.49
<i>Notes:</i>	
<i>i) For sub-microscopic evaluation of the ends of the 24 different chromosomes in patients with unexplained mental and/or physical disorders.</i>	
<i>ii) Restricted to Royal Columbian Hospital.</i>	

P93053	Cytogenetic analysis/fluorescence in situ hybridization (FISH), uncultured amniotic fluid.....	389.61
	Note: <i>For testing amniotic fluids using a probe set designed for rapid testing of more commonly encountered abnormalities in chromosome number.</i>	
93055	Special staining (Giemsa II, DAPI/SCE, NOR).....	30.78
93060	Special banding (Q-, R-, C-).....	29.48
93065	Amniotic cell culture grown for biochemical analysis only.....	210.20
93070***	Chromosomal breakage studies.....	181.80
93075	Chromosomal mosaicism - investigation.....	114.52
93080	Chromosome analysis – high resolution	123.82



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Section Five	Virology Fee Items	Issued: October 1, 2015 Updated: October 1, 2016
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VIROLOGY FEE ITEMS

		Total Fee \$
90815	Serological tests - 1 to 3 antigens	36.83
90820	Serological tests - 4 or more antigens.....	37.98
	<i>Note: Not to be billed for any virology testing where specific listings exist (e.g.: Hepatitis).</i>	
90825***	Smear or section for electron microscopy	27.79
90830	Virus isolation	51.65
	<i>Note: Not paid with P90831, P90832 and P90833.</i>	
P90831	Hepatitis B virus (HBV) identification by nucleic acid amplification, direct - quantification	60.34
	Notes:	
	i) The daily maximum is one.	
	ii) Annual maximum per patient is six.	
	iii) Not paid with 90830.	
	iv) Not intended as a diagnostic screening tool. Use only for the management of patients being treated as per antiviral protocols.	
P90832	BK polyoma virus identification by nucleic acid amplification, direct – quantification.....	39.13
	Notes:	
	i) The daily maximum is one.	
	ii) Annual maximum per patient is 30.	
	iii) Not paid with 90830.	
	iv) Not intended as a diagnostic screening tool. Use only for post-transplant management.	
P90833	Cytomegalovirus Viral (CMV) identification by nucleic acid amplification, direct – quantification.....	36.92
	Notes:	
	i) The daily maximum is one.	
	ii) Annual maximum per patient is 60.	
	iii) Not paid with 90830.	
	iv) Not intended as a diagnostic screening tool. Use only for post-transplant management.	
90835***	HBV drug resistance mutation analysis.....	129.88
	Notes:	
	i) Annual maximum is two per patient.	
	ii) Paid in addition to 90831.	



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Section Six	Anatomic Pathology Fee Items	Issued: October 1, 2015 Updated: October 1, 2016
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ANATOMIC PATHOLOGY FEE ITEMS

	Total Fee \$
93010 Crystal identification, synovial fluid.....	40.05
93085 Cytologic preparation and examination of fine needle aspirate	94.24
93090 Cytologic preparation and interpretation of pre-screened, non-gynaecological cytology.....	65.54
93095 Cytologic preparation and interpretation of unscreened, non-gynaecological cytology.....	85.52
93100* Electron microscopy fee	384.40
93105 Hepatic glycogen (tissue)	32.52
93110 Hepatic glucose-6 phosphatase	49.10
93115 Muscle biopsy enzyme studies.....	195.44



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Section Seven	Other Laboratory Services Fee Items	Issued: October 1, 2015 Updated: October 1, 2016
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OTHER FEE ITEMS

	Total Fee \$
90000 Venepuncture and dispatch of specimen to laboratory, when no other blood work performed.....	7.65
Notes:	
i) <i>This is the only fee applicable for taking blood specimens and is to apply in those situations where a single blood work service is provided by a facility or person not associated with the venepuncture.</i>	
ii) <i>Where a blood specimen is taken by a laboratory and dispatched to another unassociated laboratory, the original laboratory may charge 90000 only when it does not perform another laboratory procedure using blood collected at the same time.</i>	

Note to Operators: The venepuncture and dispatch listings apply only to those situations where this sole service is provided by a facility or person not associated with any other blood work services provided to that patient. Fee item 90000 cannot be billed or paid to an operator if any other blood work assays are performed or if the specimen is sent to an associated facility.

93160 Semen, Complete Examination	82.34
Note: <i>Includes total count, motility count, pH, and morphology</i>	
93170 Sperm, seminal examination for presence or absence	26.98

94999 Laboratory Medicine Miscellaneous Fee Item.....As adjudicated

Laboratory Medicine miscellaneous fee item 94999 relates to laboratory services not listed in the Payment Schedule that are new medically necessary laboratory services generally considered to be accepted standards of care in the medical community currently and not considered experimental in nature.

Note to Operators:

Claims submitted under miscellaneous fee code 94999 may be accepted for adjudication only if the following criteria are met:

- 1. a prior estimate of an appropriate fee, with rationale for the level of that fee; and*
- 2. sufficient documentation and pre-approval of the laboratory services to substantiate the claim.*

The minister, or designate, will review the fee estimate proposed and the supporting documentation, and by comparing the service provided with comparable laboratory services listed in the Payment Schedule, and other methods, will determine the level of compensation.