

Health Genetic Center Infectious Diseases



2023/2024 Guidebook



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Hours of operations

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Saturday: 10:00 AM - 3:00 PM

Sunday: Closed

Laboratory

Monday - Friday: 10:00 AM - 2:00 AM

Saturday: 5:00 AM - 12:00 AM

Sunday: Closed



20 Years at Your Service

To our valued customers,

We are thrilled to announce the revisited version of Health Genetic Center Laboratory Guidebook. This year we invite you to celebrate with us 20 years of loyal service, satisfied customers and remarkable results.

We have proudly advocated for our core values since the beginning of our professional activity.

Affordability– We guarantee our clients the most affordable prices. Starting with individual DNA tests and ending up with multiple DNA profiles, our clients will receive discounts and customized result interpretation.

Accessibility- Our clients never have to look for testing instructions. Health Genetic Center team has a well-established sample collection system that is widely used by the entire country.

Accountability- Health Genetic Center is always responsible for its clients' well-being. All testing steps are carefully guided by our experienced staff members.

Achievement– We are always on the top of the latest discoveries in the DNA field so that our clients have the most innovative testing techniques at their disposal.

We have been client oriented since the beginning, doing everything with Your needs at heart.

Health Genetic Center team would like to thank our clients for their trust and support over the years. It has been our utter pleasure to provide health and wellness to You!

Sincerely,

Health Genetic Center Management



Health Genetic Center– A True Devotion to Healing

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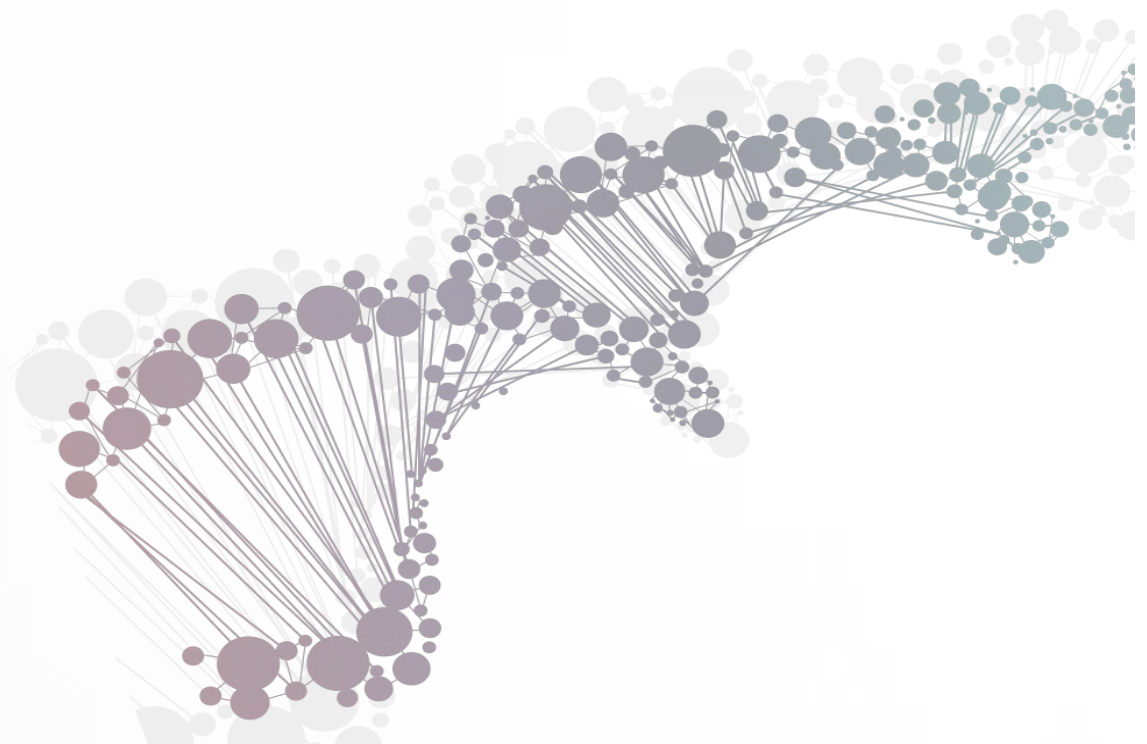
DNAME Laboratory is Offering DNA-based Testing for Chronic Illnesses

Bacterial and viral infections are associated with many chronic illnesses and opportunistic infections in immune suppressed individuals. The prevalence of invasive pathogenic *Mycoplasma* and *Chlamydia* species in patients with Chronic Fatigue, Fibromyalgia Syndromes and other chronic illnesses, was significantly higher than in healthy individuals.

These syndromes usually have overlapping symptoms, including muscle pain, chronic fatigue, headaches, memory loss, nausea, gastrointestinal problems, joint pain, vision problems, breathing problems, depression, fevers, skin disorders, tissue swelling, chemical sensitivities etc. Because of the complex nature of these illnesses, patients are often diagnosed with multiple syndromes, and their potential to recover from chronic illness is usually poor at best.

Chronic illness patients usually have cognitive problems, that can result in practitioners diagnosing chronic illness patients with somatoform disorders rather than organic problems. Thus, due to the lack of definitive clinical tests that could identify the cause of chronic illnesses, such disorders are thought to be caused for the most part by psychological stressors.

DNAME Laboratory is offering DNA-based testing for chronic illnesses. In the laboratory, different DNA tests are combined into several DNA profiles. These DNA profiles benefit patients by allowing the rapid and sensitive screening various pathogens, which potentially were the cause of these chronic illnesses. By using a combination of related DNA tests, the results of a particular profile will aid diagnostic procedures at a lower cost and provide the appropriate resources to suggest accurate treatments in a timely fashion. DNA tests, using PCR amplification, are sensitive enough to detect a few individual organisms. Positive DNA test result confirms presence of bacterial or viral pathogens in biological samples. Successful treatment can be done for most of bacterial and fungal pathogens. The laboratory is recommended to resubmit samples from previously positive patients in two weeks after treatment.



General Information

Specimen Submission

Health Genetic Center accepts specimens submitted by licenced health care providers. All specimens submitted become the property of Health Genetic Center upon receipt of submissions. An appropriate submission form is required for all submissions. Please, refer to Submission Protocol and Specimen Collection Guidelines to ensure proper submission procedures are followed.

Delivery of Service

Commercially reasonable efforts will be applied to meet standard turnaround times upon receipt of submissions. In the event of a submission not meeting specimen volume requirements, or specimens arriving at the laboratory in damaged, contaminated, or improperly preserved condition, we will notify the submitter at our earliest opportunity. Proper handling procedures need to be followed to minimize the risk of loss or damage to a specimen during transport. We may refuse to accept or revoke the acceptance of any specimens, which we judge probable to present any risk in handling and/or analysis, including, but not limited to, specimens in a leaking or broken container.

Reporting Results

Results will be reported only to the referring health care provider. All submissions received by Health Genetic Center will be assigned an accession laboratory number. When calling to inquire about a case, please refer to the specific laboratory report number. On submissions where several test of varying turn-around times are requested under a single accession, results will be reported upon completion of each test. Once results of all tests are available, a final report for that accession will be released.

Retention of Specimens

After testing and reporting of results, the laboratory will retain in storage any remaining serum specimens for 7 days, blood, urine, and fecal specimens for 48 hours and extracted DNA specimens for 30 days, after which we will dispose of the specimens.

Billing

The submitter is financially responsible for all tests requested or added on to the original submission. Charges are billed on a cumulative monthly invoice. Payment is due 30 days from the date of the invoice. Overdue balances will be subject to a 2% cumulative interest charge. Health Genetic Center accepts payment via cash, cheque, PayPal and credit card. Please, make all cheques payable to “DNAME Corp.” and forward to Health Genetic Center Laboratory – Attn: Accounts Receivable, A5-9131 Keele Street, Concord, Ontario L4K0G7. Accounts will be subjected to a **\$5.00** charge per NSF cheque.

Please, call **289-553-5231** for credit card payments. Health Genetic Center also offers our clients a monthly auto-payment option.*

**Please, contact our billing service to authorize monthly auto-payments on your account. You will be required to provide a credit card number which will be kept on file with Health Genetic Center. Payments will be processed on the first business day following the end of each month.*

General Information

Cancellation Fee

In order to cover costs of specimen receiving, processing, storage and disposal, Health Genetic Center will apply a cancellation fee to any submissions cancelled after arriving at the laboratory.

Cancellation if testing not yet commenced	\$0.00
Cancellation after testing commenced (DNA Individual tests)	\$20.00
Cancellation after testing commenced (DNA Panels)	\$80.00

Service Agreement

The submitter is under no obligation to sign a service agreement with Health Genetic Center; however the option is available to all clients. The minimum term of a service agreement is 12 months. Under the terms of a service agreement signed between Health Genetic Center and the submitter, a percentage discount will be applied to the purchase price for testing, excluding any tests for which the purchase price has been temporarily lowered for promotional effect and outsourced ones. Other discounts as applicable.

How To Use the Book

The Test Index lists tests based on specialization: Gastrointestinal Infections, Dentistry, Virology, Parasitology, Reproduction, Respiratory, Urology, and General Profiles.

The Test Index is a quick list to help find what test is needed and points to where it can be found in the Health Genetic Center Guidebook.

Icon Guide

The icons used in this guidebook represent the following:



Sample Requirements



Turn Around Time: Approximate length of the testing process.



Information: Any additional information about the test will be here. This could include more in-depth sample collection instructions, background of the test, intention of the test, etc.

Sample Collection Supplies

Please be advised to collect samples in the according supplies.

- Blood sample collection– please collect blood (see designated amount under the test description) and place it in the blood collection test tube.



- Urine and stool collection– please collect the specimens according to the specific test needs and store them in the designated collection jars.



- Swab collection– please collect the swab, type and collection techniques vary depending on the test. For example, reproduction tests require a vaginal swab and respiratory tests require a nasopharyngeal swab. Please check each test for specific swab requirements.



Sample Collection



Sample Collection

The quality of any laboratory test result is highly dependent on proper specimen collection. The following guidelines have been provided to help ensure all specimens are collected, prepared, and preserved correctly.

Blood Specimen: Whole Blood

- § Perform the blood draw using proper technique;
- § Collect specimen into a lavender top (EDTA) tube;
- § Use gentle inversion (10-15 times) to mix specimen immediately following collection;
- § Label tubes and slides with the patient's ID;
- § Keep the EDTA blood refrigerated;
- § Ship for testing having the submission form attached to the sample.

Urine and Stool Specimens

- § Utilize appropriate collection devices and sterile equipment to collect specimen;
- § Utilize appropriate transport system for every specimen. Refer to the Test Directory section of this guidebook for sampling details;
- § Refrigerate specimen immediately following collection to avoid sample expiration. For fluid specimens, arrange for immediate submission to the laboratory, as they must not be refrigerated.

Swab Specimen

- § Utilize appropriate collection devices and sterile equipment to collect the specimen.
- § Utilize appropriate transport system for every specimen. Refer to the Test Directory section of this guidebook for sampling details.

Submission Form

- § An appropriate completed submission form must accompany each submission. Ensure guidelines are followed as missing information may result in a delay in testing.
- § Ensure required information is completed: submitter's information, etc.;
- § Ensure writing is legible;
- § Select all tests and/or profiles being requested;
- § Add any relevant notes, comments, and special requests to the appropriate section;
- § Place the completed form with the specimen into a specimen bag for submission.

Please see the submission form at the end of the book.

Test Index



Infectious DNA Tests

Dentistry Tests

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<i>Campylobacter showae</i> (DNA)	D418	\$150.00	Page 16
<i>Streptococcus mutans</i> (DNA)	D194	\$150.00	Page 16
<i>Streptococcus sobrinus</i> (DNA)	D248	\$150.00	Page 16
<i>Streptococcus anginosus</i> (DNA)	D250	\$150.00	Page 16
<i>Porphyromonas gingivalis</i> (DNA)	D288	\$150.00	Page 16

Gastrointestinal Tests

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<i>Cryptosporidium parvum</i> (DNA)	D406	\$150.00	Page 18
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<i>Enterococcus faecium</i> (DNA)	D109	\$150.00	Page 18
<i>Escherichia coli</i> (DNA)	D182	\$150.00	Page 18
<i>Giardia</i> spp. (DNA)	D408	\$150.00	Page 19
<i>Helicobacter</i> spp. (DNA)	D349	\$150.00	Page 19
<i>Helicobacter pylori</i> (DNA)	D138	\$150.00	Page 19
<i>Nanobacterium</i> spp. (DNA)	D160	\$150.00	Page 19
<i>Salmonella</i> spp. (DNA)	D420	\$150.00	Page 19
<i>Strongyloides stercoralis</i> (DNA)	D77	\$150.00	Page 19
<i>Tritrichomonas foetus</i> (DNA)	D465	\$150.00	Page 19
<i>Yersinia enterocolitica</i> (DNA)	D181	\$150.00	Page 19

Reproduction Tests

<i>Candida albicans</i> (DNA)	D128	\$150.00	Page 21
<i>Chlamydia</i> spp. (DNA)	D104	\$150.00	Page 21
<i>Chlamydia trachomatis</i> (DNA)	D110	\$150.00	Page 21
<i>Haemophilus ducreyi</i> (DNA)	D136	\$150.00	Page 21
Human Papilloma Virus HPV (DNA)	D144	\$150.00	Page 21
<i>Mycoplasma genitalium</i> (DNA)	D153	\$150.00	Page 21
<i>Neisseria gonorrhea</i> (DNA)	D154	\$150.00	Page 21
<i>Trichomonas vaginalis</i> (DNA)	D114	\$150.00	Page 21

Respiratory Tests

Aspergillus spp. (DNA)	D116	\$150.00	Page 23
<i>Blastomyces dermatitis</i> (DNA)	D122	\$150.00	Page 23
<i>Chlamydia psittaci</i> (DNA)	D106	\$150.00	Page 23
<i>Chlamydia pneumoniae</i> (DNA)	D108	\$150.00	Page 23
<i>Coccidioides immitis</i> (DNA)	D515	\$150.00	Page 23
<i>Coxiella burnetii</i> (DNA)	D301	\$150.00	Page 23
<i>Cryptococcus neoformans</i> (DNA)	D407	\$150.00	Page 23
<i>Haemophilus influenza</i> (DNA)	D258	\$150.00	Page 23
Legionella spp. (DNA)	D146	\$150.00	Page 24
Mycobacterium spp. (DNA)	D162	\$150.00	Page 24
Mycobacterium avium complex MAC (DNA)	D331	\$150.00	Page 24
<i>Mycobacterium tuberculosis</i>	D327	\$150.00	Page 24
<i>Mycobacterium bovis</i> (DNA)	D329	\$150.00	Page 24
<i>Mycoplasma pneumoniae</i> (DNA)	D151	\$150.00	Page 24
<i>Mycoplasma fermentans</i> (DNA)	D284	\$150.00	Page 24
<i>Mycoplasma penetrans</i> (DNA)	D282	\$150.00	Page 24
<i>Moraxella catarrhalis</i> (DNA)	D358	\$150.00	Page 25
Pasteurella spp. (DNA)	D102	\$150.00	Page 25
Streptococcus spp. (DNA)	D164	\$150.00	Page 25
<i>Streptococcus pneumoniae</i> (DNA)	D165	\$150.00	Page 25
<i>Streptococcus pyogenes</i> (DNA)	D168	\$150.00	Page 25
Staphylococcus spp. (DNA)	D1561	\$150.00	Page 25
<i>Staphylococcus aureus</i> (DNA)	D156	\$150.00	Page 25
Methicillin Resistant Staphylococcus spp. (DNA)	D150	\$150.00	Page 26
Klebsiella spp. (DNA)	D467	\$150.00	Page 26
<i>Klebsiella pneumoniae</i> (DNA)	D188	\$150.00	Page 26

Urology Tests

<i>Enterococcus faecalis</i> (DNA)	D107	\$150.00	Page 28
<i>Escherichia coli</i> (DNA)	D445	\$150.00	Page 28
Leptospira spp. (DNA)	D351	\$150.00	Page 28
Mycoplasma spp. (DNA)	D152	\$150.00	Page 28
<i>Mycoplasma hominis</i> (DNA)	D448	150.00	Page 28
<i>Proteus mirabilis</i> (DNA)	D186	\$150.00	Page 28
<i>Pseudomonae aeruginosa</i> (DNA)	D192	\$150.00	Page 28
Ureaplasma spp. (DNA)	D369	\$150.00	Page 28
<i>Ureaplasma parvum</i> (DNA)	D159	\$150.00	Page 29
<i>Ureaplasma urealyticum</i> (DNA)	D158	\$150.00	Page 29

Virology Tests

Human Adenovirus-1 (DNA)	D315	\$150.00	Page 31
Borna Disease Virus (DNA)	D124	\$150.00	Page 31
Cytomegalovirus (DNA)	D130	\$150.00	Page 31
Human Coronavirus (DNA)	D170	\$150.00	Page 31
Dengue Virus (DNA)	D133	\$150.00	Page 31
Epstein Barr Virus (DNA)	D134	\$150.00	Page 31
Hepatitis C (DNA)	D479	\$150.00	Page 31
Human Herpesvirus General (HHV)	D143	\$150.00	Page 31
Human Herpesvirus 6 (DNA)	D142	\$150.00	Page 31
Herpes simplex virus-1 (DNA)	D141	\$150.00	Page 32
Herpes simplex virus-2 (DNA)	D145	\$150.00	Page 32
Human Influenza Virus Type A (DNA)	D176A	\$150.00	Page 32
Human Influenza Virus Type B (DNA)	D178B	\$150.00	Page 32
Human Parvovirus B19 (DNA)	D325	\$150.00	Page 32
St. Louis encephalitis virus (DNA)	D131	\$150.00	Page 32
Varicella-zoster virus (HHV-3)	D147	\$150.00	Page 32
West Nile Virus (DNA)	D411	\$150.00	Page 33
Yellow Fever Virus (DNA)	D135	\$150.00	Page 33

Parasitology Tests

Ascaris spp. (DNA)	D75	\$150.00	Page 35
Anaplasma spp. (DNA)	D117	\$150.00	Page 35
Babesia spp. (DNA)	D118	\$150.00	Page 35
Bartonella spp. (DNA)	D120	\$150.00	Page 35
<i>Blastocystis hominis</i> (DNA)	D176	\$150.00	Page 35
<i>Borrelia afzelii</i> (DNA)	D1261	\$150.00	Page 35
<i>Borrelia burgdorferi</i> (Lyme Disease) (DNA)	D126	\$150.00	Page 35
<i>Borrelia duttonii</i> (DNA)	D1263	\$150.00	Page 35
<i>Borrelia garinii</i> (DNA)	D1262	\$150.00	Page 36
<i>Borrelia hermsii</i> (DNA)	D1264	\$150.00	Page 36
<i>Borrelia recurrentis</i> (DNA)	D1265	\$150.00	Page 36
Brucella spp. (DNA)	D190	\$150.00	Page 36
<i>Dientamoeba fragilis</i> (DNA)	D172	\$150.00	Page 36
Echinococcus spp. (DNA)	D73	\$150.00	Page 36
Ehrlichia spp. (DNA)	D132	\$150.00	Page 36
General Fungal Screening (DNA)	D198	\$150.00	Page 37
<i>Histoplasma capsulatum</i> (DNA)	D140	\$150.00	Page 37
Leptospira spp. (DNA)	D148	\$150.00	Page 37
Leishmania spp (DNA)	D323	\$150.00	Page 37

Plasmodium spp. (DNA)	D184	\$150.00	Page 37
Rickettsia spp. (DNA)	D180	\$150.00	Page 37
<i>Rickettsia rickettsii</i> (DNA)	D178	\$150.00	Page 37
Taenia spp. (DNA)	D523	\$150.00	Page 38
<i>Toxoplasma gondii</i> (DNA)	D112	\$150.00	Page 38
Roundworm (DNA)	P101	\$150.00	Page 38
Tapeworm (DNA)	P103	\$150.00	Page 38
Flatworm (DNA)	P105	\$150.00	Page 38

INFECTIOUS DNA PANELS

Atherosclerosis DNA Panel	DP515	\$400.00	Page 40
Chronic Asthma DNA Panel	DP513	\$400.00	Page 40
Chronic Depression DNA Panel	DP521	\$400.00	Page 40
Chronic Fatigue Syndrome (CFA) DNA Panel	DP501	\$400.00	Page 41
Chronic Prostatitis DNA Panel	DP523	\$400.00	Page 41
Chron's Disease (CD) Predisposition DNA Panel	DP533	\$400.00	Page 41
Conjunctivitis DNA Panel	DP575	\$400.00	Page 42
Dentistry Bacterial Infection DNA Panel	DP525	\$400.00	Page 42
Influenza SARS-CoV-2 Multiple Profile	DP567	\$400.00	Page 42
Rheumatoid Arthritis DNA Panel	DP519	\$400.00	Page 43
Sexually Transmitted Infections (STI) DNA Panel	DP517	\$400.00	Page 43
Tick-Borne Pathogens DNA Panel	DP531	\$400.00	Page 43

Dentistry Tests



Dental Infectious Tests

<i>Campylobacter gracilis</i> (DNA)	D428	\$150.00
💧 Sterile mouth swab		
🕒 10 business days		
📖 <i>Campylobacter gracilis</i> can cause periodontitis if left untreated. Symptoms are: swollen gums, redness, gums itching, etc.		
<i>Campylobacter rectus</i> (DNA)	D438	\$150.00
💧 Sterile mouth swab		
🕒 10 business days		
📖 <i>Campylobacter rectus</i> can cause human periodontal infection. Symptoms are: gums inflammation and digestive tract discomfort (diarrhea, vomiting), etc.		
<i>Campylobacter showae</i> (DNA)	D418	\$150.00
💧 Sterile mouth swab		
🕒 10 business days		
📖 <i>Campylobacter showae</i> can cause gingivitis and periodontitis. Symptoms are: irritated gums, gum swelling, etc.		
<i>Streptococcus mutans</i> (DNA)	D194	\$150.00
💧 Sterile mouth swab		
🕒 10 business days		
📖 <i>Streptococcus mutans</i> can cause dental caries, cavitation and dental demineralization. Symptoms are chalky white spots on dental surface.		
<i>Streptococcus sobrinus</i> (DNA)	D248	\$150.00
💧 Sterile mouth swab		
🕒 10 business days		
📖 <i>Streptococcus sobrinus</i> is the leading cause of dental caries and tooth decay. Symptoms are are chalky white spots on dental surface.		
<i>Streptococcus anginosus</i> (DNA)	D250	\$150.00
💧 Sterile mouth swab		
🕒 10 business days		
📖 <i>Streptococcus anginosus</i> can cause dental caries and purulent deep neck infectious. The bacteria reside commensally in the human oral cavity.		
<i>Porphyromonas gingivalis</i> (DNA)	D288	\$150.00
💧 Sterile mouth swab		
🕒 10 business days		
📖 <i>Porphyromonas gingivalis</i> causes periodontal disease. Symptoms are Swollen or puffy gums, bright red, tender gums.		

Gastrointestinal Tests



Gastrointestinal Infectious Tests

<i>Campylobacter jejuni</i> (DNA)	D404	\$150.00
💧 10 grams of feces in a sterile fecal container		
🕒 10 business days		
ⓘ <i>Campylobacter jejuni</i> can cause bloodstream infection and symptoms similar to appendicitis and ulcerative colitis. Symptoms are: abdominal pain, diarrhea, vomiting, etc.		
<i>Clostridium</i> spp. (DNA)	D521	\$150.00
💧 10 grams of feces in a sterile fecal container		
🕒 10 business days		
ⓘ <i>Clostridium</i> spp. can cause botulism, tetanus, neonatal sepsis etc. Symptoms include: severe pain in the area affected, fever, skin discoloration etc.		
<i>Clostridium perfringens</i> (DNA)	D402	\$150.00
💧 10 grams of feces in a sterile fecal container		
🕒 10 business days		
ⓘ <i>Clostridium perfringens</i> causes diarrhea and stomach cramps. Symptoms are: pain, stomach bloating, loss of appetite etc.		
<i>Cryptosporidium parvum</i> (DNA)	D406	\$150.00
💧 10 grams of feces in a sterile fecal container		
🕒 10 business days		
ⓘ <i>Cryptosporidium parvum</i> can cause malnutrition and stunted growth especially in children. Symptoms include: diarrheal episodes, dehydration, stomach cramps, vomiting etc.		
<i>Entamoeba histolytica</i> (DNA)	D174	\$150.00
💧 10 grams of feces in a sterile fecal container		
🕒 10 business days		
ⓘ <i>Entamoeba histolytica</i> can cause intestinal amebiasis. Symptoms include: loose feces, stomach pain, stomach cramping etc.		
<i>Enterococcus faecium</i> (DNA)	D109	\$150.00
💧 10 grams of feces in a sterile fecal container		
🕒 10 business days		
ⓘ <i>Enterococcus faecium</i> causes endocarditis or neonatal meningitis. Symptoms include: vomiting, headache, chills, fever etc.		
<i>Escherichia coli</i> (DNA)	D182	\$150.00
💧 10 grams of feces in a sterile fecal container		
🕒 10 business days		
ⓘ <i>Escherichia coli</i> can cause haemolytic uraemic syndrome if let untreated. Symptoms are: diarrhea, stomach cramping, nausea, vomiting etc.		

Gastrointestinal Infectious Tests

Giardia spp. (DNA)	D408	\$150.00
💧 10 grams of feces in a sterile fecal container		
🕒 10 business days		
📖 Giardia spp. can cause recurring diarrhea. Symptoms are intestinal malabsorption, abdominal pain etc.		
Helicobacter spp. (DNA)	D349	\$150.00
💧 10 grams of feces in a sterile fecal container		
🕒 10 business days		
📖 Helicobacter spp. can cause gastric cancer, chronic gastritis and peptic ulcer disease if let untreated. Symptoms include bloating, loss of appetite, weight loss etc.		
<i>Helicobacter pylori</i> (DNA)	D138	\$150.00
💧 10 grams of feces in a sterile fecal container		
🕒 10 business days		
📖 Helicobacter pylori can lead to gastritis or peptic ulcer. Symptoms include: bloating, burning stomach pain, appetite loss, unexpected weight loss.		
Nanobacterium spp. (DNA)	D160	\$150.00
💧 10 grams of feces in a sterile fecal container		
🕒 10 business days		
📖 Nanobacterium can cause polycystic kidney disease and stone formation. Symptoms are: bladder pain and intestinal cystitis.		
Salmonella spp. (DNA)	D420	\$150.00
💧 10 grams of feces in a sterile fecal container		
🕒 10 business days		
📖 Salmonella spp. can cause vascular infections, hepatic abscesses, urinary tract infections and others. Symptoms are: bloody diarrhea, stomach cramps etc.		
<i>Strongyloides stercoralis</i> (DNA)	D77	\$150.00
💧 10 grams of feces in a sterile fecal container		
🕒 10 business days		
📖 <i>Strongyloides stercoralis</i> can cause constipation, dry cough. Symptoms are: bloating, heartburn, abdominal pain etc.		
<i>Tritrichomonas foetus</i> (DNA)	D465	\$150.00
💧 10 grams of feces in a sterile fecal container		
🕒 10 business days		
📖 <i>Tritrichomonas foetus</i> can cause transient vaginitis and cervicitis. Symptoms include: large intestine diarrhea, loose stool, etc.		
<i>Yersinia enterocolitica</i> (DNA)	D181	\$150.00
💧 10 grams of feces in a sterile fecal container		
🕒 10 business days		
📖 <i>Yersinia enterocolitica</i> can cause reactive arthritis, glomerulonephritis, uveitis. Symptoms include fever, abdominal pain.		

Reproduction Tests



Reproduction Infectious Tests

<i>Candida albicans</i> (DNA)	D128	\$150.00
💧 10 mL of urine in a sterile container, vaginal swab or semen in a sterile container		
🕒 10 business days		
📖 <i>Candida albicans</i> can cause yeast infection . Invasive infections cause infection of blood, bones, heart, eyes and brain. Symptoms are: vaginal sore and itching, urination pain, abundant vaginal discharge etc.		
<i>Chlamydia</i> spp. (DNA)	D104	\$150.00
💧 10 mL of urine in a sterile container, vaginal swab or semen in a sterile container		
🕒 10 business days		
📖 <i>Chlamydia</i> spp. can cause pelvic inflammation disease, proctitis, cervicitis. Symptoms are painful urination and sexual intercourse, testicular pain in males and inter-period bleeding in females.		
<i>Chlamydia trachomatis</i> (DNA)	D110	\$150.00
💧 10 mL of urine in a sterile container, vaginal swab or semen in a sterile container		
🕒 10 business days		
📖 <i>Chlamydia trachomatis</i> can cause permanent damage to reproductive system. The main symptom is painful sexual intercourse.		
<i>Haemophilus ducreyi</i> (DNA)	D136	\$150.00
💧 10 mL of urine in a sterile container, vaginal swab or semen in a sterile container		
🕒 10 business days		
📖 <i>Haemophilus ducreyi</i> can cause chancroid, a genital ulcer disease. Symptoms are: painful and swollen local lymph nodes and genital ulcers. Symptoms appear 2 weeks after the infection onset.		
Human Papilloma Virus HPV (DNA)	D144	\$150.00
💧 10 mL of urine in a sterile container, vaginal swab or semen in a sterile container		
🕒 10 business days		
📖 Human Papilloma Virus HPV is the main cause of cervical cancer. Symptoms are: swollen lymph nodes and itchy areas around vagina, penis and/or anus.		
<i>Mycoplasma genitalium</i> (DNA)	D153	\$150.00
💧 10 mL of urine in a sterile container, vaginal swab or semen in a sterile container		
🕒 10 business days		
📖 <i>Mycoplasma genitalium</i> can cause cervicitis, infertility and spontaneous abortions. Symptoms are: abnormal discharge, bleeding between periods, painful urination etc.		
<i>Neisseria gonorrhea</i> (DNA)	D154	\$150.00
💧 10 mL of urine in a sterile container, vaginal swab or semen in a sterile container		
🕒 10 business days		
📖 <i>Neisseria gonorrhea</i> can cause disseminated gonococcal infection (DGI). Symptoms are: urination burning, sores, rashes etc.		
<i>Trichomonas vaginalis</i> (DNA)	D114	\$150.00
💧 10 mL of urine in a sterile container, vaginal swab or semen in a sterile container		
🕒 10 business days		
📖 <i>Trichomonas vaginalis</i> can cause an increased risk of transmitting other STIs like HIV. Symptoms are: genital soreness, redness, yellow vaginal discharges with a fishy smell.		

Respiratory Tests



Respiratory Infectious Tests

Aspergillus spp. (DNA)	D116	\$150.00
 Whole blood (5mL) in lavender EDTA tube AND/OR 5mL of sputum in a sterile container.		
 10 business days		
 Breathing spores cause lung infections especially in immunocompromised individuals. Symptoms are: chest pain, fever etc.		
Blastomyces dermatitis (DNA)	D122	\$150.00
 Whole blood (5mL) in lavender EDTA tube AND/OR 5mL of sputum in a sterile container.		
 10 business days		
 <i>Blastomyces dermatitis</i> can cause acute respiratory distress syndrome. Symptoms include blood cough, chest pain, poor appetite.		
Chlamydia psittaci (DNA)	D106	\$150.00
 Whole blood (5mL) in lavender EDTA tube AND/OR 5mL of sputum in a sterile container.		
 10 business days		
 Chlamydia psittaci can cause psittacosis also known as ornithosis. The disease is carried by birds and is transmitted to humans by pathogen inhalation. Symptoms are: dry cough, fever, headache, etc.		
Chlamydia pneumoniae (DNA)	D108	\$150.00
 Whole blood (5mL) in lavender EDTA tube AND/OR 5mL of sputum in a sterile container.		
 10 business days		
 <i>Chlamydia pneumoniae</i> can cause upper and lower respiratory infections, including bronchitis, sinusitis and pneumonia. Symptoms include: fatigue, runny nose, voice loss, headache etc.		
Coccidioides immitis (DNA)	D515	\$150.00
 Whole blood (5mL) in lavender EDTA tube AND/OR 5mL of sputum in a sterile container.		
 10 business days		
 <i>Coccidioides immitis</i> can cause severe pneumonia. Symptoms are: cough, fatigue, sweats, muscle aches, upper body rash etc.		
Coxiella burnetii (DNA)	D301	\$150.00
 Whole blood (5mL) in lavender EDTA tube AND/OR 5mL of sputum in a sterile container.		
 10 business days		
 <i>Coxiella burnetii</i> is the main cause for Q fever. Pathogen is acquired via inhalation of contaminated air, animal feces, urine and milk products. Symptoms are: fever, chills, fatigue, muscle aches, etc.		
Cryptococcus neoformans (DNA)	D407	\$150.00
 Whole blood (5mL) in lavender EDTA tube AND/OR 5mL of sputum in a sterile container.		
 10 business days		
 <i>Cryptococcus neoformans</i> can cause meningitis and in rare cases stroke. Symptoms are: fever, neck pain, nausea, vomiting, etc.		
Haemophilus influenza (DNA)	D258	\$150.00
 Whole blood (5mL) in lavender EDTA tube AND/OR 5mL of sputum in a sterile container.		
 10 business days		
 <i>Haemophilus influenza</i> causes pneumonia, septicaemia, septic arthritis. Symptoms are: chills, tiredness, shortness of breath, etc.		

Respiratory Infectious Tests

Legionella spp. (DNA)	D146	\$150.00
💧 Whole blood (5mL) in lavender EDTA tube AND/OR 5mL of sputum in a sterile container.		
🕒 10 business days		
ⓘ Legionella spp. can cause respiratory failure. Symptoms include chest muscle pain, shortness of breath, fever, etc.		
Mycobacterium spp. (DNA)	D162	\$150.00
💧 Whole blood (5mL) in lavender EDTA tube AND/OR 5mL of sputum in a sterile container.		
🕒 10 business days		
ⓘ Mycobacterium spp. It is the tuberculosis causative agent. Symptoms include: cough, overnight sweat, fatigue, fever, etc.		
Mycobacterium avium complex MAC (DNA)	D331	\$150.00
💧 Whole blood (5mL) in lavender EDTA tube AND/OR 5mL of sputum in a sterile container.		
🕒 10 business days		
ⓘ MAC can cause respiratory failure if left untreated. Symptoms are: shortness of breath, night sweats, chronic cough, etc.		
Mycobacterium tuberculosis (DNA)	D327	\$150.00
💧 Whole blood (5mL) in lavender EDTA tube AND/OR 5mL of sputum in a sterile container.		
🕒 10 business days		
ⓘ <i>Mycobacterium tuberculosis</i> is the main tuberculosis carrying pathogen. Symptoms are night sweats, weaknesses, fever, chest pain, etc.		
Mycobacterium bovis (DNA)	D329	\$150.00
💧 Whole blood (5mL) in lavender EDTA tube AND/OR 5mL of sputum in a sterile container.		
🕒 10 business days		
ⓘ <i>Mycobacterium bovis</i> can cause tuberculosis and affect lungs, lymph nodes. Symptoms are: fever, weight loss, night sweats, etc.		
Mycoplasma pneumoniae (DNA)	D151	\$150.00
💧 Whole blood (5mL) in lavender EDTA tube AND/OR 5mL of sputum in a sterile container.		
🕒 10 business days		
ⓘ <i>Mycoplasma pneumoniae</i> can cause mild respiratory system infections. Symptoms are: runny nose, watery eyes, sneezing, etc.		
Mycoplasma fermentans (DNA)	D284	\$150.00
💧 Whole blood (5mL) in lavender EDTA tube AND/OR 5mL of sputum in a sterile container.		
🕒 10 business days		
ⓘ <i>Mycoplasma fermentans</i> can cause lung discomfort. Symptoms are: fever, cough, sore throat, tiredness, etc.		
Mycoplasma penetrans (DNA)	D282	\$150.00
💧 Whole blood (5mL) in lavender EDTA tube AND/OR 5mL of sputum in a sterile container.		
🕒 10 business days		
ⓘ <i>Mycoplasma penetrans</i> can cause respiratory distress. In many cases the infection shows no symptoms.		

Respiratory Infectious Tests

<i>Moraxella catarrhalis</i> (DNA)	D358	\$150.00
💧 Whole blood (5mL) in lavender EDTA tube AND/OR 5mL of sputum in a sterile container.		
🕒 10 business days		
📖 <i>Moraxella catarrhalis</i> cause pneumonia and ear infection. Symptoms are: nose drainage, face swelling, eye pain, etc.		
<i>Pasteurella</i> spp. (DNA)	D102	\$150.00
💧 Whole blood (5mL) in lavender EDTA tube AND/OR 5mL of sputum in a sterile container.		
🕒 10 business days		
📖 <i>Pasteurella</i> spp. cause local wound infection. Symptoms are: site swelling, tenderness, purulent drainage etc.		
<i>Streptococcus</i> spp. (DNA)	D164	\$150.00
💧 Whole blood (5mL) in lavender EDTA tube AND/OR 5mL of sputum in a sterile container.		
🕒 10 business days		
📖 <i>Streptococcus</i> spp. can cause scarlet fever, rheumatic heart disease, glomerulonephritis etc. Symptoms include: dizziness, fever, diarrhea, large wounds, skin swell etc.		
<i>Streptococcus pneumoniae</i> (DNA)	D165	\$150.00
💧 Whole blood (5mL) in lavender EDTA tube AND/OR 5mL of sputum in a sterile container.		
🕒 10 business days		
📖 <i>Streptococcus pneumoniae</i> can cause ear infection, pneumonia and sinuses infections. Symptoms are: sudden fever, chills and shaking. Infection is considered invasive when detected in the bloodstream.		
<i>Streptococcus pyogenes</i> (DNA)	D168	\$150.00
💧 Whole blood (5mL) in lavender EDTA tube AND/OR 5mL of sputum in a sterile container.		
🕒 10 business days		
📖 <i>Streptococcus pyogenes</i> can cause rheumatic fever and post-streptococcal glomerulonephritis. Symptoms are: rhinorrhea, oral ulcers, cough etc.		
<i>Staphylococcus</i> spp. (DNA)	D1561	\$150.00
💧 Whole blood (5mL) in lavender EDTA tube AND/OR 5mL of sputum in a sterile container.		
🕒 10 business days		
📖 <i>Staphylococcus</i> spp. can cause skin abscesses, furuncles and cellulitis. Symptoms are red lumps under the skin, sores, swollen, red skin etc.		
<i>Staphylococcus aureus</i> (DNA)	D156	\$150.00
💧 Whole blood (5mL) in lavender EDTA tube AND/OR 5mL of sputum in a sterile container.		
🕒 10 business days		
📖 <i>Staphylococcus aureus</i> can cause sepsis in case the infection penetrates into the bloodstream Symptoms are: skin redness, pain and swelling.		

Respiratory Infectious Tests

Methicillin Resistant Staphylococcus spp. (DNA)	D150	\$150.00
💧 Whole blood (5mL) in lavender EDTA tube AND/OR 5mL of sputum in a sterile container.		
🕒 10 business days		
📖 MRS is the most common skin infection cause. Symptoms are: red, swollen, puffy skin. Skin can be full of puff and drainage.		
Klebsiella spp. (DNA)	D467	\$150.00
💧 Whole blood (5mL) in lavender EDTA tube AND/OR 5mL of sputum in a sterile container.		
🕒 10 business days		
📖 Klebsiella spp. can cause pneumonia, bloodstream infection or wound site infections. Symptoms are: fever, chills, pus or drainage at infection site.		
<i>Klebsiella pneumoniae</i> (DNA)	D188	\$150.00
💧 Whole blood (5mL) in lavender EDTA tube AND/OR 5mL of sputum in a sterile container.		
🕒 10 business days		
📖 <i>Klebsiella pneumoniae</i> can cause lung infection, bacterial pneumoniae and meningitis. Symptoms are: pus or drainage on a surgical site, fever, pain, swelling etc.		

Urology Tests



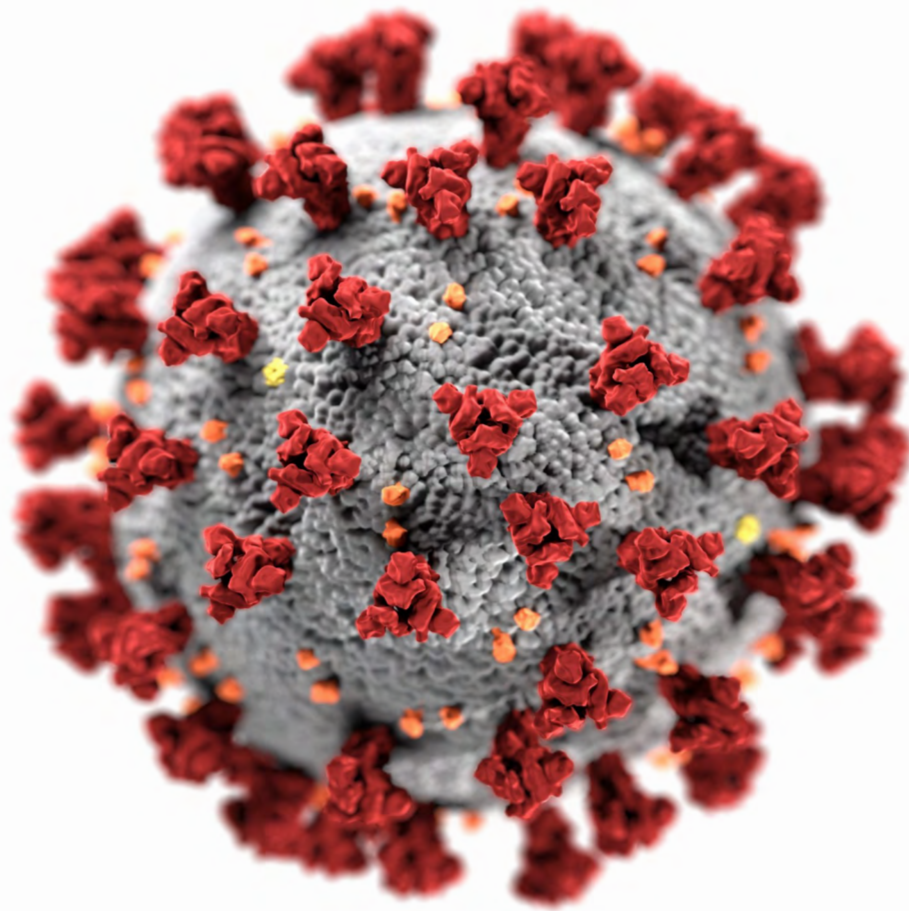
Urology Infectious Tests

<i>Enterococcus faecalis</i> (DNA)	D107	\$150.00
💧 10 mL of urine in a sterile container		
🕒 10 business days		
ⓘ <i>Enterococcus faecalis</i> can cause urinary tract infections, prostatitis, intra-abdominal infections etc. Symptoms are: pain and burning sensation during urination, abdominal pain, fatigue, etc.		
<i>Escherichia coli</i> (DNA)	D445	\$150.00
💧 10 mL of urine in a sterile container		
🕒 10 business days		
ⓘ <i>Escherichia coli</i> can cause stomach cramps and bloody diarrhea. Symptoms include: nausea, vomiting , fatigue, appetite loss etc.		
<i>Leptospira</i> spp. (DNA)	D351	\$150.00
💧 10 mL of urine in a sterile container		
🕒 10 business days		
ⓘ <i>Leptospira</i> spp. can cause kidney damage, liver failure, respiratory distress etc. Symptoms include: high fever, red eyes, jaundice etc.		
<i>Mycoplasma</i> spp. (DNA)	D152	\$150.00
💧 10 mL of urine in a sterile container		
🕒 10 business days		
ⓘ <i>Mycoplasma</i> spp. can cause pneumonia and respiratory lining damage. Symptoms include: fever, cough, bronchitis, sore throat, tiredness etc.		
<i>Mycoplasma hominis</i> (DNA)	D448	\$150.00
💧 10 mL of urine in a sterile container		
🕒 10 business days		
ⓘ <i>Mycoplasma hominis</i> can cause urogenital infections. Symptoms are: belly pain, urethral swelling, vaginal discharge, etc.		
<i>Proteus mirabilis</i> (DNA)	D186	\$150.00
💧 10 mL of urine in a sterile container		
🕒 10 business days		
ⓘ <i>Proteus mirabilis</i> can cause pyuria (low white blood cell count), cystitis. Symptoms include: frequency of urination, back pain, hematuria etc.		
<i>Pseudomonae aeruginosa</i> (DNA)	D192	\$150.00
💧 10 mL of urine in a sterile container		
🕒 10 business days		
ⓘ <i>Pseudomonae aeruginosa</i> can cause infections in the blood, lungs (pneumonia), stomach, urinary tract, or tendons. Pressure sores, wounds, and burns can also become infected. Symptoms include: pus formation, swelling, rash, redness etc.		
<i>Ureaplasma</i> spp. (DNA)	D369	\$150.00
💧 10 mL of urine in a sterile container		
🕒 10 business days		
ⓘ <i>Ureaplasma</i> spp. can cause urethral inflammation in both man and woman. Symptoms include: urination pain, burning sensation.		

Urology Infectious Tests

<i>Ureaplasma parvum</i> (DNA)	D159	\$150.00
💧 10 mL of urine in a sterile container		
🕒 10 business days		
📖 <i>Ureaplasma</i> may cause urethritis or bacterial vaginosis (BV), and have been linked to prostatitis, endometriosis, and the formation of kidney stones. Symptoms include urination pain and burning sensation.		
<i>Ureaplasma urealyticum</i> (DNA)	D158	\$150.00
💧 10 mL of urine in a sterile container		
🕒 10 business days		
📖 <i>Ureaplasma urealyticum</i> may cause urethritis or bacterial vaginosis (BV). <i>U. urealyticum</i> has also been linked to fertility issues in both men and women.		

Virology Tests



Virology Infectious Tests

Human Adenovirus-1 (DNA)	D315	\$150.00
💧 Whole blood 5(mL) in lavender EDTA tube.		
🕒 10 business days.		
📖 Human Adenovirus can cause pneumonia and in rare cases chronic lung diseases. The symptoms are pink eye, acute bronchitis, sore throat, fever.		
Borna Disease Virus (DNA)	D124	\$150.00
💧 Whole blood 5(mL) in lavender EDTA tube.		
🕒 10 business days.		
📖 Borna Disease mild cases cause an asymptomatic infection. Severe cases cause fatal meningoencephalitis. Symptoms are: headache, fever, memory deficits, seizures and confusion.		
Cytomegalovirus (DNA)	D130	\$150.00
💧 Whole blood 5(mL) in lavender EDTA tube.		
🕒 10 business days		
📖 Cytomegalovirus can cause mononucleosis or hepatitis. Symptoms are: elevated body temperature, aching muscles, skin rash, swollen glands etc.		
Human Coronavirus (DNA)	D170	\$150.00
💧 Whole blood 5(mL) in lavender EDTA tube.		
🕒 10 business days.		
📖 Coronavirus can cause heart pain and blood clots. Symptoms include: fever, cough, tiredness, loss of taste smell.		
Dengue Virus (DNA)	D133	\$150.00
💧 Whole blood 5(mL) in lavender EDTA tube.		
🕒 10 business days.		
📖 Dengue Virus can cause internal bleeding and body shock. Symptoms are: nausea, vomiting, rash, aches and pain.		
Epstein Barr Virus (DNA)	D134	\$150.00
💧 Whole blood 5(mL) in lavender EDTA tube		
🕒 10 business days		
📖 Epstein Barr Virus can cause lymphocytosis excessive lymphocyte count. Symptoms are: swollen liver, rash, enlarged spleen.		
Hepatitis C (DNA)	D479	\$150.00
💧 Whole blood 5(mL) in lavender EDTA tube.		
🕒 10 business days		
📖 Hepatitis C can cause liver damage, cirrhosis, liver cancer. Symptoms include: yellow skin or eyes, upset stomach, fever, stomach pain, dark urine.		
Human Herpevirus General (HHV)	D143	\$150.00
💧 Whole blood 5(mL) in lavender EDTA tube.		
🕒 10 business days		
📖 HHV can cause cold sores and itching pain on sore site. Symptoms are: fever, swollen lymph nodes, burning sensations etc.		

Virology Infectious Tests

Herpes simplex virus-1	D141	\$150.00
 Whole blood 5(mL) in lavender EDTA tube		
 10 business days		
 Herpes simplex virus-1 cause sores around lips or inside the mouth. Symptoms are: itching and burning local sensation, swollen lymph nodes etc.		
Herpes simplex virus-2	D145	\$150.00
 Whole blood 5(mL) in lavender EDTA tube		
 10 business days		
 Herpes simplex virus-2 causes mainly genital herpes. Symptoms are: itching and burning local sensation, painful ulcers, flu-like symptoms, etc.		
Human Herpesvirus 6 (DNA)	D142	\$150.00
 Whole blood 5(mL) in lavender EDTA tube		
 10 business days		
 HHV 6 can cause damage to the central nervous system. Symptoms are: fever, rash, diarrhea etc.		
Human Influenza Virus Type A (DNA)	D176A	\$150.00
 Whole blood 5(mL) in lavender EDTA tube.		
 10 business days		
 Human Influenza Virus can cause pneumonia as a result of the flu complication. Symptoms are: cough, fever, chills, fatigue, headaches etc.		
Human Influenza Virus Type B (DNA)	D178B	\$150.00
 Whole blood 5(mL) in lavender EDTA tube.		
 10 business days		
 Human Influenza Virus can cause pneumonia as a result of the flu complication. Symptoms are: cough, fever, chills, fatigue, headaches etc.		
Human Parvovirus B19 (DNA)	D325	\$150.00
 Whole blood 5(mL) in lavender EDTA tube.		
 10 business days		
 Parvovirus 19 can cause severe anemia and/or fifth disease. Symptoms are: swollen joints, fatigue, headache etc.		
St. Louis encephalitis virus (DNA)	D131	\$150.00
 Whole blood 5(mL) in lavender EDTA tube.		
 10 business days		
 St. Louis encephalitis virus can cause encephalitis. Symptoms are: headache, nausea, vomiting , etc.		
Varicella-zoster virus (HHV-3)	D147	\$150.00
 Whole blood 5(mL) in lavender EDTA tube.		
 10 business days		
 Severe cases of Varicella-zoster may lead to encephalitis. Symptoms are: characteristic rash that consists of blisters that scab in 7 to 10 days.		

Virology Infectious Tests

West Nile Virus (DNA)	D411	\$150.00
 Whole blood 5(mL) in lavender EDTA tube.		
 10 business days		
 West Nile Virus can cause severe infections like encephalitis or meningitis. Symptoms include headaches, high fever, stupor, muscle pain etc.		
Yellow Fever Virus (DNA)	D135	\$150.00
 Whole blood 5(mL) in lavender EDTA tube.		
 10 business days		
 Yellow Fever Virus can cause jaundice, bleeding and organ failures. Symptoms are: fatigue, heart rhythm problems, elevated body temperature etc.		

Parasitology Tests



Parasitology Infectious Tests

Ascaris spp. (DNA)	D75	\$150.00
💧 10 grams of feces in a sterile container		
🕒 10 business days		
📖 Ascaris spp. can cause severe cramping and appendix obstruction. Symptoms are: abdominal discomfort, vomiting and cough due to the worm migration in the body.		
Anaplasma spp. (DNA)	D117	\$150.00
💧 Whole blood (5mL) in lavender EDTA tube		
🕒 10 business days		
📖 Anaplasma spp. can cause anaplasmosis. Symptoms are: muscular pain, fever chills, severe headache etc.		
Babesia spp. (DNA)	D118	\$150.00
💧 Whole blood (5ml) in lavender EDTA tube/ Urine sample (8ml) in sterile container		
🕒 10 business days		
📖 Babesia spp. can cause haemolytic anemia. Most patients are asymptomatic, but infection may cause fever, chills, headache, nausea, vomiting, and/or myalgia.		
Bartonella spp. (DNA)	D120	\$150.00
💧 Whole blood (5mL) in lavender EDTA tube		
🕒 10 business days		
📖 Bartonella spp. can cause prolonged bacteremia. Symptoms are flu-like: sweats, fever, chills, headache, opportunistic infectious due to weakened immune system.		
Blastocystis hominis (DNA)	D176	\$150.00
💧 10 grams of feces in a sterile container		
🕒 10 business days		
📖 Blastocystis hominis causes malnutrition and weight loss. Symptoms are: watery stool, constipation, excess gases etc.		
Borrelia afzelii (DNA)	D1261	\$150.00
💧 Whole blood (5mL) in lavender EDTA tube		
🕒 10 business days		
📖 Borrelia afzelii can cause erythema migrans (characteristic skin rash). Symptoms are: fever, headache, fatigue etc.		
Borrelia burgdorferi (Lyme Disease) (DNA)	D126	\$150.00
💧 Whole blood (5mL) in lavender EDTA tube		
🕒 10 business days		
📖 Borrelia burgdorferi can cause Lyme disease spirochete. Symptoms are: fever, headache, fatigue etc. If left untreated, infection can spread to heart, joints and nervous system.		
Borrelia duttonii (DNA)	D1263	\$150.00
💧 Whole blood (5mL) in lavender EDTA tube		
🕒 10 business days		
📖 Borrelia duttonii can cause relapsing fever after a 2 to 14 days of incubation period. Symptoms are: malaise, fever, chills etc.		

Parasitology Infectious Tests

<i>Borrelia garinii</i> (DNA)	D1262	\$150.00
💧 Whole blood (5mL) in lavender EDTA tube		
🕒 10 business days		
📖 <i>Borrelia garinii</i> causes most neurologic Lyme disease—meningopolyneuritis and, rarely, encephalomyelitis. Symptoms are: fever, headache, fatigue.		
<i>Borrelia hermsii</i> (DNA)	D1264	\$150.00
💧 Whole blood (5mL) in lavender EDTA tube		
🕒 10 business days		
📖 <i>Borrelia hermsii</i> can cause relapsing fever- fever for 3 days and no fever period of 7 days. Symptoms are: myalgia, chills etc.		
<i>Borrelia recurrentis</i> (DNA)	D1265	\$150.00
💧 Whole blood (5mL) in lavender EDTA tube		
🕒 10 business days		
📖 <i>Borrelia recurrentis</i> can cause relapsing fever— fever periods of 3 days followed by no fever period of 7 days. Symptoms are: headache, myalgia, chills etc.		
<i>Brucella</i> spp. (DNA)	D190	\$150.00
💧 Whole blood (5mL) in lavender EDTA tube		
🕒 10 business days		
📖 <i>Brucella</i> spp. can cause endocarditis, arthritis and central nervous infection. Symptoms are: fever, sweats, headaches, back pains, and physical weakness etc.		
<i>Dientamoeba fragilis</i> (DNA)	D172	\$150.00
💧 10 grams of feces in a sterile container		
🕒 10 business days		
📖 <i>Dientamoeba fragilis</i> can cause bowel obstruction. Symptoms are: diarrhea and abdominal pain.		
<i>Echinococcus</i> spp. (DNA)	D73	\$125.00
💧 10 grams of feces in a sterile container		
🕒 10 business days		
📖 <i>Echinococcus</i> spp. can cause alveolar echinococcosis. Symptoms are: upper part chest pain, coughing, vomiting, etc.		
<i>Ehrlichia</i> spp. (DNA)	D132	\$150.00
💧 10 grams of feces in a sterile container		
🕒 10 business days		
📖 <i>Ehrlichia</i> spp. can cause nerve, brain damage, organ or alveolar echinococcosis. Symptoms are: headache, muscle ache, fever, chills etc.		

Parasitology Infectious Tests

General Fungal Screening (DNA)	D198	\$150.00
<p>💧 Whole blood (5mL) in lavender EDTA tube</p>		
<p>🕒 10 business days</p>		
<p>📖 This custom screen is useful for common fungal infections; Aspergillus, Blastomyces, and Candida species.</p>		
<i>Histoplasma capsulatum</i> (DNA)	D140	\$150.00
<p>💧 10 grams of sputum in a sterile container</p>		
<p>🕒 10 business days</p>		
<p>📖 <i>Histoplasma capsulatum</i> can cause Acute Respiratory Distress Syndrome, meningitis, pericarditis, or adrenal insufficiency. Symptoms are: chest pain, tiredness, dry cough etc.</p>		
Leptospira spp. (DNA)	D148	\$150.00
<p>💧 Whole blood (5mL) in lavender EDTA tube</p>		
<p>🕒 10 business days</p>		
<p>📖 Leptospira spp. can cause kidney damage, meningitis and liver damage. The disease is asymptomatic. If symptoms are present, they are: headache, chills, muscle aches, vomiting, jaundice (yellow skin and eyes), red eyes, abdominal pain.</p>		
Leishmania spp (DNA)	D323	\$150.00
<p>💧 Whole blood (5mL) in lavender EDTA tube</p>		
<p>🕒 10 business days</p>		
<p>📖 Leishmania spp. is the causative agent of Leishmaniasis. Symptoms are: spleen, liver enlargement, fever, weight loss, etc.</p>		
Plasmodium spp. (DNA)	D184	\$150.00
<p>💧 Whole blood (5mL) in lavender EDTA tube</p>		
<p>🕒 10 business days</p>		
<p>📖 Plasmodium spp. can cause malaria after effect because of lack of red cells. Symptoms are: fever, chills, sweat, muscle and joint pain etc.</p>		
Rickettsia spp. (DNA)	D180	\$150.00
<p>💧 Whole blood (5mL) in lavender EDTA tube</p>		
<p>🕒 10 business days</p>		
<p>📖 Rickettsia spp. can cause systemic vasculitis. Symptoms are: sparse maculopapular or papulovesicular eruptions on the trunk and extremities, fever, headache, etc.</p>		
<i>Rickettsia rickettsii</i> (DNA)	D178	\$150.00
<p>💧 Whole blood (5mL) in lavender EDTA tube</p>		
<p>🕒 10 business days</p>		
<p>📖 <i>Rickettsia rickettsii</i> is the causative agent for Rocky Mountain Spotted Fever. Symptoms are: fever, headache, rash, nausea, vomiting, etc.</p>		

Parasitology Infectious Tests

Taenia spp. (DNA)	D523	\$150.00
💧 10 grams of feces in a sterile container		
🕒 10 business days		
ⓘ Taenia spp. can cause chronic constipation and weight loss. Symptoms are: visible stool proglottids, diarrhea, appetite loss, nausea, etc.		
Toxoplasma gondii (DNA)	D112	\$150.00
💧 10 grams of feces in a sterile container		
🕒 10 business days		
ⓘ Toxoplasma gondii can cause serious eye disease-toxoplasmosis. Symptoms are flu like: enlarged lymph glands, muscle aches, etc.		
Roundworms (DNA)	P101	\$150.00
💧 10 grams of feces in a sterile container		
🕒 10 business days		
ⓘ Roundworms can cause abdominal pain and obstruction. Symptoms are: vomiting, malnutrition, disturbed sleep, etc.		
Tapeworms (DNA)	P103	\$150.00
💧 10 grams of feces in a sterile container		
🕒 10 business days		
ⓘ Tapeworms can cause larval cyst infections. Symptoms are: loose stool, diarrhea, poor appetite, upset stomach, etc.		
Flatworms (DNA)	P105	\$150.00
💧 10 grams of feces in a sterile container		
🕒 10 business days		
ⓘ Flatworms can cause anemia and malnutrition. Symptoms are: fever, malaise, diarrhea, abdominal pain, etc.		

DNA Panels



A person wearing green gloves is using a LevenMed LPPE kit to collect a DNA sample. The kit is being used inside a white, open container. The person is holding the kit and pressing a button on the control panel. The control panel has a digital display showing '13' and '14' and several buttons labeled 'START', 'PAUSE', and 'OPEN'.

Infectious Disease Panel

Atherosclerosis DNA Panel		DP515	\$400.00
1.	<i>Chlamydia pneumoniae</i>		
2.	Human Herpesvirus 6		
3.	<i>Helicobacter pylori</i>		
4.	Mycoplasma spp. (<i>M. pneumoniae</i> , <i>M. fermentans</i> , <i>M. hominis</i> , <i>M. penetrans</i>)		
5.	Nanobacterium spp.		
💧 Whole blood (5mL) in lavender EDTA tube			
🕒 10 business days			
ⓘ Atherosclerosis is caused by a build up clot inside the inner artery wall. The risk factors are: high blood pressure, high cholesterol, smoking, high triglycerides, diabetes, obesity etc.			
Chronic Asthma DNA Panel		DP513	\$400.00
1.	Aspergillus spp.		
2.	<i>Chlamydia pneumoniae</i>		
3.	Mycoplasma spp. (<i>M. pneumoniae</i> , <i>M. fermentans</i> , <i>M. hominis</i> , <i>M. penetrans</i>)		
4.	<i>Staphylococcus aureus</i>		
💧 Whole blood (5mL) in lavender EDTA tube			
🕒 10 business days			
ⓘ Asthma is caused by airway swelling and mucus clotting. The risk factors are: dust and mites exposure, allergy history, air pollution , etc.			
Chronic Depression DNA Panel		DP521	\$400.00
1.	Borna Disease Virus		
2.	<i>Chlamydia psittaci</i>		
3.	Human Herpesvirus 6		
4.	Mycoplasma spp. (<i>M. pneumoniae</i> , <i>M. fermentans</i> , <i>M. hominis</i> , <i>M. penetrans</i>)		
💧 Whole blood (5mL) in lavender EDTA tube			
🕒 10 business days			
ⓘ Depression is caused by persistent sadness and lack of interests. Risk factors are: family history, trauma, chronic stress, poor nutrition, medication use, etc.			

Infectious Disease Panel

Chronic Fatigue Syndrome DNA Panel		DP501	\$400.00
1.	Aspergillus spp.		
2.	<i>Chlamydia pneumoniae</i>		
3.	<i>Candida albicans</i>		
4.	Cytomegalovirus		
5.	Human Herpesvirus 6		
6.	Mycoplasma spp. (<i>M. pneumoniae</i> , <i>M. fermentans</i> , <i>M. hominis</i> , <i>M. penetrans</i>)		
7.	<i>Helicobacter pylori</i>		
	Whole blood (5mL) in lavender EDTA tube		
	10 business days		
	Fatigue is caused by severe fatigue and sleep problems. The risk factors are: memory or concentration problems; headaches, unexplained joint pain, dizziness, etc.		
Chronic Prostatitis DNA Panel		DP523	\$400.00
1.	Chlamydia spp. (<i>C. pneumoniae</i> , <i>C. trachomatis</i>)		
2.	Mycoplasma spp. (<i>M. pneumoniae</i> , <i>M. genitalium</i>)		
3.	<i>Trichomonas vaginalis</i>		
4.	<i>Ureaplasma urealyticum</i>		
	Whole blood (5mL) in lavender EDTA tube		
	10 business days		
	Prostatitis is caused by bacterial blood infection of the testicular coiled tubes. The inflammation is called epididymitis. Risk factors are: young adulthood, reproductive system opportunistic infections, previous prostatitis, etc.		
Crohn's Disease Predisposition DNA Panel		DP533	\$400.00
1.	R702W mutation		
2.	G908R mutation		
3.	M1007fs mutation		
	Whole blood (5mL) in lavender EDTA tube		
	10 business days		
	Crohn's disease is caused by bowel tissue swelling and can lead to bowel obstruction, ulcers, fistula, malnutrition etc. Risk factors are: young age, cigarette smoking, family history, non-essential anti-inflammatory medications.		

Infectious Disease Panel

Conjunctivitis DNA Panel	DP575	\$400.00
<ol style="list-style-type: none"> 1. <i>Haemophilus influenza</i> 2. <i>Streptococcus pneumonia</i> 3. <i>Moraxella catarrhalis</i> 4. <i>Staphylococcus aureus</i> 5. Adenovirus 6. Herpes simplex virus (HSV-1 and HSV-2) 		
💧 Whole blood (5mL) in lavender EDTA tube		
🕒 10 business days		
ⓘ Conjunctivitis can cause allergic reaction and eye irritation. Risk factors are: exposure to someone virally infected, using contact lenses		
Dentistry Bacterial Infection DNA Panel	DP525	\$400.00
<ol style="list-style-type: none"> 1. <i>Streptococcus mutans</i> 2. <i>Streptococcus sobrinus</i> 3. <i>Streptococcus anginosus</i> 4. <i>Candida albicans</i> 5. <i>Porphyromonas gingivalis</i> 6. Campylobacter spp. (<i>C. rectus</i>, <i>C. gracilis</i>, <i>C. showae</i>) 		
💧 Whole blood (5mL) in lavender EDTA tube		
🕒 10 business days		
ⓘ Dental bacterial infections can cause dental carries, periodontitis, etc. Risk factors are: poor habits and care, dry mouth, high sugar diet, etc.		
Influenza SARS CoV-2 Multiplex Profile	DP567	\$400.00
<ol style="list-style-type: none"> 1. Covid-19 (SARS-CoV2) 2. Influenza A virus 3. Influenza B virus 		
💧 Whole blood (5mL) in lavender EDTA tube		
🕒 10 business days		
ⓘ Influenza infections can cause myocarditis, encephalitis, pneumonia and organ failure if left not treated. Risk factors are: age, living and working conditions, weak immune system, chronic illnesses etc.		

Infectious Disease Panel

Rheumatoid Arthritis DNA Profile		DP519	\$400.00
<ol style="list-style-type: none"> 1. <i>Chlamydia pneumoniae</i> 2. <i>Chlamydia trachomatis</i> 3. Cytomegalovirus 4. <i>Human Herpesvirus 6</i> 5. Mycoplasma spp. 6. <i>Helicobacter pylori</i> 			
💧 Whole blood (5mL) in lavender EDTA tube			
🕒 10 business days			
ⓘ Rheumatoid Arthritis can cause premature heart disease and diabetes. Risk factors are: sex (women 3 times more prevalent), age, obesity etc.			
Sexually Transmitted Disease DNA Panel		DP517	\$400.00
<ol style="list-style-type: none"> 1. <i>Chlamydia trichomonas</i> 2. <i>Haemophilus ducreyi</i> 3. Mycoplasma spp. (<i>M. pneumoniae</i>, <i>M. genitalium</i>) 4. <i>Neisseria gonorrhoeae</i> 5. <i>Trichomonas vaginalis</i> 			
💧 Whole blood (5mL) in lavender EDTA tube			
🕒 10 business days			
ⓘ Sexually Transmitted Infections can cause pregnancy complications, cancers, infertility, increased risk of HIV. Risk factors are: unprotected sex, drugs' injection, multiple partners, alcohol misuse, etc			
Tick-Borne Pathogens DNA Panel		DP531	\$400.00
<ol style="list-style-type: none"> 1. <i>Borrelia burgdorferi</i> (Lyme Disease) 2. Babesia spp. 3. Ehrlichia spp. 4. Bartonella spp. 			
💧 Whole blood (5mL) in lavender EDTA tube			
🕒 10 business days			
ⓘ Tick Borne pathogens cause erythema migraines. Risk factors are: being present in the pathogens' region, habitat and period.			



Health Genetic Center

9131 Keele St., Unit A5, Concord ON L4K 0G7

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For Office Use Only	Date		Account			Lab No		
	PMT	INV	CC	CSH	MO	CHQ	#	\$
SHP	ON	CA	US	PU	NO	Other	SMPL	BL SW FC CR FT TS UR Other

Physician/Practitioner

DNA TEST REQUISITION FORM

Clinic: _____ Dr. _____

Address: _____

City: _____ Prov: _____ P. Code _____

Report by Phone: _____ Fax: _____

Email: _____

Patient

Name/ID: _____

Sex: _____

DOB (mm/dd/yyyy): ____/____/____

Dentistry

- ☐ D428 *Campylobacter gracilis*
- ☐ D438 *Campylobacter rectus*
- ☐ D418 *Campylobacter showae*
- ☐ D194 *Streptococcus mutans*
- ☐ D248 *Streptococcus sobrinus*
- ☐ D250 *Streptococcus anginosus*
- ☐ D288 *Porphyromonas gingivalis*

Gastrointestinal

- ☐ D404 *Campylobacter jejuni*
- ☐ D521 *Clostridium* spp.
- ☐ D402 *Clostridium perfringens*
- ☐ D406 *Cryptosporidium parvum*
- ☐ D174 *Entamoeba histolytica*
- ☐ D109 *Enterococcus faecium*
- ☐ D182 *Escherichia coli*
- ☐ D408 *Giardia* spp.
- ☐ D349 *Helicobacter* spp.
- ☐ D138 *Helicobacter pylori*
- ☐ D160 *Nanobacterium* spp.
- ☐ D420 *Salmonella* spp.
- ☐ D77 *Strongyloides stercoralis*
- ☐ D465 *Trichomonas foetus*
- ☐ D181 *Yersinia enterocolitica*

Reproduction

- ☐ D128 *Candida albicans*
- ☐ D104 *Chlamydia* spp.
- ☐ D110 *Chlamydia trachomatis*
- ☐ D136 *Haemophilus ducreyi*
- ☐ D144 *Human Papilloma Virus HPV*
- ☐ D153 *Mycoplasma genitalium*
- ☐ D154 *Neisseria gonorrhea*
- ☐ D114 *Trichomonas vaginalis*

Respiratory

- ☐ D116 *Aspergillus* spp.
- ☐ D122 *Blastomyces dermatitis*
- ☐ D106 *Chlamydia psittaci*
- ☐ D108 *Chlamydia pneumoniae*
- ☐ D515 *Coccidioides immitis*
- ☐ D301 *Coxiella burnetti*
- ☐ D407 *Cryptococcus neoformans*
- ☐ D146 *Legionella* spp.

- ☐ D162 *Mycobacterium* spp.
- ☐ D331 *Mycobacterium avium* complex (MAC)
- ☐ D327 *Mycobacterium tuberculosis*
- ☐ D329 *Mycobacterium bovis*
- ☐ D151 *Mycoplasma pneumoniae*
- ☐ D284 *Mycoplasma fermentans*
- ☐ D282 *Mycoplasma penetrans*
- ☐ D358 *Moraxella catarrhalis*
- ☐ D102 *Pasteurella* spp.
- ☐ D164 *Streptococcus* spp.
- ☐ D165 *Streptococcus pneumoniae*
- ☐ D168 *Streptococcus pyogenes*
- ☐ D1561 *Staphylococcus* spp.
- ☐ D156 *Staphylococcus aureus*
- ☐ D150 *Methicillin Resistant Staphylococcus* spp.
- ☐ D467 *Klebsiella* spp.
- ☐ D188 *Klebsiella pneumoniae*

Urology

- ☐ D107 *Enterococcus faecalis*
- ☐ D445 *Escherichia coli*
- ☐ D351 *Leptospira* spp.
- ☐ D152 *Mycoplasma* spp.
- ☐ D186 *Proteus mirabilis*
- ☐ D192 *Pseudomonas aeruginosa*
- ☐ D369 *Ureaplasma* spp. (*U. parvum*, *U. urealyticum*)
- ☐ D159 *Ureaplasma parvum*
- ☐ D158 *Ureaplasma urealyticum*

Virology

- ☐ D315 *Human Adenovirus-1*
- ☐ D124 *Borna Disease Virus*
- ☐ D130 *Cytomegalovirus*
- ☐ D170 *Human Coronavirus*
- ☐ D133 *Dengue Virus*
- ☐ D134 *Epstein Barr Virus*
- ☐ D479 *Hepatitis C*
- ☐ D143 *Human Herpesvirus General (HHV)*
- ☐ D142 *Human Herpesvirus 6*
- ☐ D141 *Herpes simplex virus-1*
- ☐ D145 *Herpes simplex virus-2*
- ☐ D176A *Human Influenza Virus Type A*
- ☐ D178B *Human Influenza Virus Type B*
- ☐ D325 *Human Parvovirus B19*
- ☐ D131 *St. Louis encephalitis virus*
- ☐ D147 *Varicella-zoster virus (HHV-3)*

- ☐ D411 *West Nile Virus*
- ☐ D135 *Yellow Fever Virus*

Parasitology

- ☐ D75 *Ascaris* spp.
- ☐ D117 *Anaplasma* spp.
- ☐ D118 *Babesia* spp.
- ☐ D120 *Bartonella* spp.
- ☐ D176 *Blastocystis hominis*
- ☐ D1261 *Borrelia afzelii*
- ☐ D126 *Borrelia burgdorferi* (Lyme Disease)
- ☐ D1263 *Borrelia duttonii*
- ☐ D1262 *Borrelia garinii*
- ☐ D1264 *Borrelia bermsii*
- ☐ D1265 *Borrelia recurrentis*
- ☐ D190 *Brucella* spp.
- ☐ D404 *Campylobacter jejuni*
- ☐ D172 *Dientamoeba fragilis*
- ☐ D73 *Echinococcus* spp.
- ☐ D132 *Ehrlichia* spp.
- ☐ D198 *General Fungal Screening*
- ☐ D140 *Histoplasma capsulatum*
- ☐ D148 *Leptospira* spp.
- ☐ D323 *Leishmania* spp.
- ☐ D184 *Plasmodium* spp.
- ☐ D112 *Toxoplasma gondii*
- ☐ D180 *Rickettsia* spp.
- ☐ D178 *Rickettsia rickettsii*
- ☐ D112 *Toxoplasma gondii*
- ☐ P101 *Roundworm*
- ☐ P103 *Tapeworm*
- ☐ P105 *Flatworm*
- ☐ D523 *Taenia* spp.

DNA Panels

- ☐ DP531 *Tick-Borne Pathogens DNA Panel*
- ☐ DP533 *Crohn's Disease Predisposition DNA*
- ☐ DP501 *Chronic Fatigue Syndrome DNA Panel*
- ☐ DP521 *Chronic Depression DNA Panel*
- ☐ DP519 *Rheumatoid Arthritis DNA Profile*
- ☐ DP525 *Dentistry Bacterial Infection DNA Panel*
- ☐ DP523 *Chronic Prostatitis DNA Panel*
- ☐ DP517 *Sexually Transmitted Disease DNA*
- ☐ DP515 *Atherosclerosis DNA Panel*
- ☐ DP513 *Chronic Asthma DNA Panel*
- ☐ DP531 *Influenza SARS CoV-2 Multiplex Profile*
- ☐ DP575 *Conjunctivitis DNA Panel*

Notes/Comments/Requests

I, the undersigned, wish to have DNA testing done, the purpose of which is to attempt to determine possible infectious pathogens. This testing is intended to be only used as a research to provide a physician with additional information about my medical conditions. The results will be reported to the physician and must be interpreted along with physical examination and/or diagnostic findings.

I agree to hold harmless, indemnify and defend Health Genetic Center, its agents, servants, officers, and employees, and persons drawing blood or taking tissue samples, of and from any and all claims arising out of any allegation concerning the testing. Health Genetic Center has not been advised of any use intended for the results, nor of any actions contemplated to be taken based on the results, nor of the identities of any person to whom I intend to distribute or publish the results.

I understand and agree to the practices, policies and fees set out by Health Genetic Center.

Full Legal Name (Please Print) _____ Signature: _____ Date: _____

Profile Details

Dentistry Profiles

◆ DP525 Dentistry Bacterial Infection DNA Panel

1. *Streptococcus mutans*
2. *Streptococcus sobrinus*
3. *Streptococcus anginosus*
4. *Candida albicans*
5. *Porphyromonas gingivalis*
6. *Campylobacter* spp. (*C. rectus*, *C. gracilis*, *C. showae*)

Reproduction Profiles

◆ DP523 Chronic Prostatitis DNA Panel

1. *Chlamydia* spp. (*C. pneumoniae*, *C. trachomatis*)
2. *Mycoplasma* spp. (*M. pneumoniae*, *M. genitalium*)
3. *Trichomonas vaginalis*
4. *Ureaplasma urealyticum*

◆ DP517 Sexually Transmitted Disease DNA

1. *Chlamydia trichomonas*
2. *Haemophilus ducreyi*
3. *Mycoplasma* spp. (*M. pneumoniae*, *M. genitalium*)
4. *Neisseria gonorrhoeae*
5. *Trichomonas vaginalis*

Respiratory Profiles

◆ DP515 Atherosclerosis DNA Panel

1. *Chlamydia pneumoniae*
2. Human Herpesvirus 6
3. *Helicobacter pylori*
4. *Mycoplasma* spp. (*M. pneumoniae*, *M. fermentans*, *M. hominis*, *M. penetrans*)
5. *Nanobacterium* spp.

◆ DP513 Chronic Asthma DNA Panel

1. *Aspergillus* spp.
2. *Chlamydia pneumoniae*
3. *Mycoplasma* spp. (*M. pneumoniae*, *M. fermentans*, *M. hominis*, *M. penetrans*)
4. *Staphylococcus aureus*
5. *Legionella* spp.

Virology Profiles

◆ DP531 Influenza SARS CoV-2 Multiplex Profile

1. Covid-19 (SARS-CoV2)
2. Influenza A virus
3. Influenza B virus

◆ DP575 Conjunctivitis DNA Panel

1. *Haemophilus influenzae*
2. *Streptococcus pneumoniae*
3. *Moraxella catarrhalis*
4. *Staphylococcus aureus*
5. Adenovirus
6. Herpes simplex virus (HSV-1 and HSV-2)

Parasitology Profiles

◆ DP531 Tick-Borne Pathogens DNA Panel

1. *Borrelia burgdorferi* (Lyme Disease)
2. *Babesia* spp.
3. *Ehrlichia* spp.
4. *Bartonella* spp.

◆ DP533 Crohn's Disease Predisposition DNA

1. R702W mutation
2. G908R mutation
3. M1007fs mutation

◆ DP501 Chronic Fatigue Syndrome DNA Panel

1. *Aspergillus* spp.
2. *Chlamydia pneumoniae*
3. *Candida albicans*
4. Cytomegalovirus
5. Human Herpesvirus 6
6. *Mycoplasma* spp. (*M. pneumoniae*, *M. fermentans*, *M. hominis*, *M. penetrans*)
7. *Helicobacter pylori*

◆ DP521 Chronic Depression DNA Panel

1. Borna Disease Virus
2. *Chlamydia psittaci*
3. Human Herpesvirus 6
4. *Mycoplasma* spp. (*M. pneumoniae*, *M. fermentans*, *M. hominis*, *M. penetrans*)

◆ DP519 Rheumatoid Arthritis DNA Profile

1. *Chlamydia pneumoniae*
2. *Chlamydia trachomatis*
3. Cytomegalovirus
4. Human Herpesvirus 6
5. *Mycoplasma* spp.
6. *Helicobacter pylori*



Health Genetic Center

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Dear Valued Client,

In order to have your sample processed as soon as possible, we ask that you please fill out the following to allow for a smoother payment transaction.

Payment:

☐ **Money Order / Certified Check.** Please make it payable to **DNAME Corp.**

VISA / MasterCard / AmEx. Please complete and submit *Credit Card Authorization*

Card Type: ☐ **VISA** ☐ **MasterCard** ☐ **American Express**

Card number _____

Card Number: Expiration Date: ____ / ____

Name on card: _____ **CCV number:** _____
(3 - digit number on back of the card)

Address on statements: _____

Phone number: _____

I agree to pay the total amount according to *Card Issuer Agreement (Merchant Agreement in Credit Voucher)*.

Signature: _____
(Payment cannot be processed without a signature)

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Billing Department
DNAME Corp.



Health Genetic Center

Molecular Diagnostic and Research Center

