Dr. Justin Marchegiani - www.JustInHealth.com - Office@JustInHealth.com - Office (512) 535-1817 - Fax (707) 227-1529

MDL LAB TEST INSTRUCTIONS

What You Should Receive:

1. 1 pre-paid FedEx envelope
2. 1 PDF lab requisition form (emailed by the office) with lab test codes already checked off
3. 1 brown rectangular lab kit (PCR/ELISA)

What You Need to Do:

1. **Complete the Lab Requisition Form:**
    - Fill in all required patient information.
    - Include your **insurance** and/or **credit card information**.
    - *Note:* The lab will bill your insurance first. If the claim is denied or not covered, you will be charged $225 directly using the credit card provided.
2. **Schedule Your Blood Draw:**
    - Contact a local lab or your primary care provider to arrange the blood draw.
    - Confirm they can draw blood using a third-party kit.
    - There may be a small out-of-pocket fee for this service—ask the lab if they can bill your insurance for the draw.
3. **Prepare for the Appointment:**
    - Bring the full lab kit and **pre-paid FedEx envelope** with you.
    - Ensure all blood vials in the kit are filled completely by the phlebotomist.
    - Clearly write your **full name** and **collection date** on each blood vial.

4. **Ship the Specimen:**

    - You (the patient) are responsible for shipping the sample—not the phlebotomist.
    - Place the completed vials into the original packaging and then into the FedEx envelope.
    - Drop it off at a FedEx location **as soon as possible after the draw**.
    - The lab **must receive the sample within 2 days** of the collection.
    - *Note:* The sample **does not need to be centrifuged** before shipping; the lab will handle this.

What You Need to Do Next:

1. **Schedule Your Review:**
   Dr. Justin will review your results as soon as they're available (typically **within 1–2 weeks**).

2. **Confirm Your Appointment:**
   Be sure you have an upcoming appointment scheduled to go over the results.

Each MDL tube can store 8.5ml's of fluid. So for each MDL tube we can run 8 different tests

MEDICAL DIAGNOSTIC LABORATORIES, L.L.C.
2439 Kuser Road • Hamilton, NJ 08690-3303
(609) 570-1000 • Fax (609) 570-1050
Toll Free (877) 269-0090
www.mdlab.com
A MEMBER OF GENESIS BIOTECHNOLOGY GROUP

19 markers
-1 PCR/Ellisa Kits (2 vials each)

Test Requisition Form

Ordering Physician/Laboratory

(Required: Include the ordering physician's first & last name, NPI, practice name, complete address, phone number and fax number.)

Dr. Justin Marchegiani
1477828408
Just In Health
912 South Capital of Texas Highway #170
Austin TX, 78746

Phone: 512-535-1817
Fax: 707-227-1529

(Only fax results, no hard copies sent to office, Please.)

Physician to receive additional result report:

Physician's Signature: Dr. Justin Marchegiani | Date:

Patient Information (Please Print)

Name (Last, First) (Required):

In Care of:

Patient Address:

City: | State: | Zip:

Gender (Required): ☐ Female ☐ Male | Date of Birth (Required):

Patient SS#: | Patient ID#:

Phone Number:

Billing Information (Please include a copy of the front & back of card.)

☐ Patient Billing
☐ Insurance Billing

Relation (Required):
☐ Self
☐ Spouse
☐ Dependant

ICD-10 Codes (Required):
Please provide ALL applicable diagnosis codes.
K59.9 B96.89
R53.81 K31.89

Primary Insurance Carrier:

Insured's Name (if not patient):

Insured's SS#: | Insured's DOB:

Claims Address:

Medicare, Medicaid or Policy ID#:

Employer/Group Name: | Group#:

Specimen Information

Date Collected (Required): | Specimen Source:

UroSwab® URINARY TRACT INFECTIONS *by Real-Time PCR unless otherwise specified*
Male & Female - Urine Specimens Only

153 ☐ *Enterococcus faecalis*
154 ☐ *Enterococcus faecium*
141 ☐ *Escherichia coli*
127 ☐ Group B Streptococcus (GBS)
137 ☐ Group B Streptococcus (GBS) Antibiotic Resistance**(#127 Req.) Only check if patient is penicillin-allergic and erythromycin/clindamycin resistance determination is required for alternate treatment.
172 ☐ *Klebsiella* species (Reflex to Speciation by Pyrosequencing)
146 ☐ *Proteus mirabilis*
174 ☐ *Pseudomonas aeruginosa*
151 ☐ *Staphylococcus saprophyticus*
176 ☐ Urinary Pathogens Antibiotic Resistance [*E. coli, Klebsiella* species, *P. mirabilis:* amoxicillin-clavulanic acid, cephalothin (cephalexin), trimethoprim-sulfamethoxazole, nitrofurantoin, ciprofloxacin, fosfomycin. *Enterococcus faecalis, Enterococcus faecium:* ampicillin, nitrofurantoin, ciprofloxacin, fosfomycin, doxycycline, linezolid]**(141, 153, 154, 172, or 146 Req.)

Test Selection

OneSwab® SKIN & SOFT TISSUE INFECTIONS (SSTI) *by Real-Time PCR unless otherwise specified*

To order panel components individually, select tests beneath the panel.

369 ☐ *Acinetobacter baumannii*

366 ☐ Skin & Soft Tissue Infections (SSTI) Panel [*B. fragilis, E. faecalis. E. coli*, GAS, GBS, *Klebsiella* species, Prevotella Groups 1 & 2, *P. mirabilis, P. aeruginosa, S. aureus*, MRSA, Community Associated MRSA (CA-MRSA)]

125 ☐ *Bacteroides fragilis*
153 ☐ *Enterococcus faecalis*
141 ☐ *Escherichia coli*
1112 ☐ Group A Streptococcus
127 ☐ Group B Streptococcus (GBS)
172 ☐ *Klebsiella* species (Reflex to Speciation by Pyrosequencing)
362 ☐ Prevotella species Group 1 (*P. bivia, P. disiens, P. intermedia, P. melaninogenica*)
363 ☐ Prevotella species Group 2 (*P. corporis, P. albensis*)
146 ☐ *Proteus mirabilis*
174 ☐ *Pseudomonas aeruginosa*
1118 ☐ *Staphylococcus aureus* with methicillin resistance (MRSA) by Conventional PCR
1119 ☐ Panton-Valentine Leukocidin (PVL) DNA (Type IV + #1118 Req.)
[Community-Associated MRSA = Type IV MRSA+ and PVL+]

367 ☐ SSTI Panel Antibiotic Resistance [*Enterococcus faecalis*, *E. coli*, GAS, GBS, *Klebsiella* species, *P. mirabilis, P. aeruginosa,* CA-MRSA: amoxicillin-clavulanic acid, ampicillin (for *E. faecalis*), cephalothin (cephalexin), clindamycin, doxycycline, trimethoprim-sulfamethoxazole, ciprofloxacin, cefepime, piperacillin-tazobactam, imipenem, gentamicin] **(153, 141, 1112, 127, 172, 146, 174, or 1118 Req.)

OneSwab® INTESTINAL PATHOGENS *by Real-Time PCR unless otherwise specified*
Loose Stool, Rectal Swab, No Lubricant

365 ☐ *Campylobacter jejuni*
162 ☐ *Clostridium difficile* (Toxins A and B)
371 ☐ *Cryptosporidium parvum*
168 ☐ Enteropathogenic *Escherichia coli* (O157:H7)
370 ☐ *Giardia lamblia*
310 ☐ *Helicobacter pylori*
274 ☐ Human Rotavirus A
158 ☐ *Listeria monocytogenes*
272 ☐ Norwalk virus
160 ☐ Salmonella
161 ☐ Shigella

NasoSwab® PEDIATRIC & ADULT *by Real-Time PCR unless otherwise specified*
Respiratory Infectious Diseases only

369 ☐ *Acinetobacter baumannii*
222 ☐ Adenovirus
1101 ☐ *Bordetella parapertussis*
1102 ☐ *Bordetella pertussis*
319 ☐ *Chlamydophila pneumoniae*
273 ☐ Coxsackie virus A & B by Pyrosequencing
1112 ☐ Group A Streptococcus
1125 ☐ 2009 H1N1 Influenza Virus (Swine Flu) with tamiflu resistance by Pyrosequencing
1117 ☐ *Haemophilus influenzae*
1114 ☐ Human Bocavirus
1115 ☐ Human Coronavirus (Human Coronaviruses 229E, OC43, NL-63)
1105 ☐ Human Metapneumovirus
1106 ☐ Influenza A Virus (Reflex to amantadine resistance by Pyrosequencing)
1107 ☐ Influenza B Virus
1109 ☐ *Moraxella catarrhalis*
336 ☐ *Mycoplasma pneumoniae*
1121 ☐ *Neisseria meningitidis* (Reflex to penicillin resistance by Pyrosequencing)
1110 ☐ Parainfluenza Viruses 1-4
174 ☐ *Pseudomonas aeruginosa*
1103 ☐ Respiratory Syncytial Virus A (RSV A)
1104 ☐ Respiratory Syncytial Virus B (RSV B) R
1116 ☐ RSV A & RSV B by Multiplex Real-Time PCR
1120 ☐ Severe Acute Respiratory Syndrome (SARS)
1118 ☐ *Staphylococcus aureus* with methicillin resistance (MRSA) by Conventional PCR
1119 ☐ Panton-Valentine Leukocidin (PVL) DNA (Type IV + #1118 Req.)
[Community-Associated MRSA = Type IV MRSA+ and PVL+]
1111 ☐ *Streptococcus pneumoniae*

BACTERIOLOGY

149 ☐ *Actinomyces turicensis* by Real-Time PCR
147 ☐ *Bacteroides ureolyticus* by Real-Time PCR
326 ☐ *Bartonella bacilliformis* by Real-Time PCR
325 ☐ *Bartonella clarridgeiae* by Real-Time PCR
339 ☐ *Bartonella elizabethae* by Real-Time PCR
317 ☐ *Bartonella henselae* by Real-Time PCR
342 ☐ *Bartonella quintana* by Real-Time PCR
356 ☐ Bartonella species (*B. henselae, B. quintana*) by Real-Time PCR
352 ☐ *Bordetella pertussis* (IgG/IgA) by Western blot (serum required)
359 ☐ Brucella species (*B. abortus, B. canis, B. melitensis, B. ovis, and B. suis*) by Real-Time PCR
319 ☐ *Chlamydophila pneumoniae* by Real-Time PCR
327 ☒ *Chlamydophila pneumoniae* IgG/IgM by ELISA (serum required)
361 ☐ *Chlamydophila psittaci* by Real-Time PCR
364 ☐ Chlamydiales species (*Chlamydophila pneumoniae, Chlamydophila psittaci,* and *Chlamydia trachomatis*) by Real-Time PCR
105 ☐ *Chlamydia trachomatis* by Real-Time PCR
360 ☐ Francisella species (*F. tularensis, F. holarctica*) by Real-Time PCR
310 ☐ *Helicobacter pylori* by Real-Time PCR
357 ☐ *Helicobacter pylori* by Real-Time PCR (Reflex to clarithromycin resistance by Pyrosequencing) (Gastric Biopsies only) (#310 Req.)*
353 ☒ *Helicobacter pylori* (IgG/IgA) by Western blot (serum required)
318 ☐ *Legionella pneumophila* by Real-Time PCR
158 ☐ *Listeria monocytogenes* by Real-Time PCR
332 ☐ *Mycoplasma fermentans* by Real-Time PCR
301 ☐ Mycoplasma general by Qualitative PCR
130 ☐ *Mycoplasma hominis* by Real-Time PCR
335 ☐ *Mycoplasma penetrans* by Real-Time PCR
336 ☐ *Mycoplasma pneumoniae* by Real-Time PCR
340 ☒ *Mycoplasma pneumoniae* IgG/IgM by ELISA (serum required)
167 ☐ *Neisseria gonorrhoeae* by Real-Time PCR (Reflex to Antibiotic Resistance by Bio-Plex Analysis)
362 ☐ Prevotella species Group 1 (*P. bivia, P. disiens, P. intermedia, P. melaninogenica*) by Real-Time PCR
363 ☐ Prevotella species Group 2 (*P. corporism, P. albensis*) by Real-Time PCR
151 ☐ *Staphylococcus saprophyticus* by Real-Time PCR
308 ☒ *Toxoplasma gondii* by Real-Time PCR
110 ☐ *Treponema pallidum* (syphilis) by Real-Time PCR
358 ☐ *Tropheryma whippelii* by Real-Time PCR
320 ☐ *Ureaplasma urealyticum* by Real-Time PCR
354 ☒ Yersinia species (IgG/IgA) by Western blot (serum required)

VIROLOGY

222 ☐ Adenovirus by Real-Time PCR
434 ☐ Colorado Tick Fever virus by Real-Time PCR
273 ☐ Coxsackie virus A & B by Pyrosequencing
207 ☐ Cytomegalovirus (CMV) by Real-Time PCR
233 ☒ CMV IgG/IgM by ELISA (serum required)
270 ☐ Dengue viruses 1-4 by Real-Time PCR
269 ☐ Eastern Equine Encephalitis virus by Real-Time PCR
205 ☒ Epstein-Barr virus (EBV) by Real-Time PCR
231 ☒ EBV-EA-D IgG/IgM by ELISA (serum required)
230 ☒ EBV-EBNA-1 IgG/IgM by ELISA (serum required)
229 ☒ EBV-VCA IgG/IgM by ELISA (serum required)
436 ☐ Heartland virus (Phlebovirus) by Real-Time PCR
262 ☐ Hepatitis A virus (HAV) by Real-Time PCR
260 ☐ Hepatitis B virus (HBV) viral load by Real-Time PCR
267 ☐ HBV Subtyping by Pyrosequencing (#260 Req.)*
268 ☐ HBV Genotyping by Pyrosequencing (Drug Resistance) (#260 Req.)*
250 ☐ Hepatitis C virus (HCV) viral load by Real-Time PCR
252 ☐ HCV Subtyping by Pyrosequencing (#250 Req.)*
261 ☐ Hepatitis G virus (HGV) by Real-Time PCR
126 ☐ Herpes subtype (HSV-1, HSV-2) by Real-Time PCR
257 ☒ HSV-1 IgG by ELISA (serum required)
258 ☒ HSV-2 IgG by ELISA (serum required)
254 ☐ HIV-1 by Western blot (serum required)
253 ☐ HIV-1 & 2 by Enzyme Immuno Assay (EIA) (serum required)
238 ☒ Human herpesvirus-6 (HHV-6) IgG by ELISA (serum required)
219 ☐ Human herpesvirus-6 (HHV-6) Variants A & B by Real-Time PCR
263 ☐ Human herpesvirus-7 (HHV-7) by Real-Time PCR
221 ☐ Human herpesvirus-8 (HHV-8) by Real-Time PCR
203 ☐ Human T-lymphotropic virus I (HTLV-I) by Real-Time PCR
266 ☐ LaCrosse Encephalitis virus by Real-Time PCR
223 ☐ Parvovirus by Real-Time PCR
138 ☐ Polyomavirus BK by Real-Time PCR (***UroSwab***® or blood)
139 ☐ Polyomavirus JC by Real-Time PCR (***UroSwab***® or blood)
264 ☐ St. Louis Encephalitis virus by Real-Time PCR
215 ☐ Varicella-zoster virus (VZV) by Real-Time PCR
243 ☐ West Nile virus by Real-Time PCR
244 ☐ West Nile virus IgG/IgM by ELISA (serum required)
265 ☐ Western Equine Encephalitis virus by Real-Time PCR

MYCOLOGY

553 ☐ *Aspergillus fumigatus* by Real-Time PCR
551 ☐ *Candida albicans* by Real-Time PCR
576 ☐ *Candida dubliniensis* by Real-Time PCR
559 ☐ *Candida glabrata* by Real-Time PCR
578 ☐ *Candida kefyr* by Real-Time PCR
566 ☐ *Candida krusei* by Real-Time PCR
577 ☐ *Candida lusitaniae* by Real-Time PCR
558 ☐ *Candida parapsilosis* by Real-Time PCR
557 ☐ *Candida tropicalis* by Real-Time PCR
580 ☐ Coccidioides species *(C. immitis, C. posadasii)* by Real-Time PCR
554 ☐ *Cryptococcus neoformans* by Real-Time PCR
550 ☐ *Pneumocystis carinii* by Real-Time PCR
555 ☐ Trichosporon by Qualitative PCR

VECTOR-BORNE DISEASES

435 ☒ *Anaplasma phagocytophilum* IgG/IgM by ELISA (serum required)
410 ☐ *Babesia microti* by Real-Time PCR
433 ☒ *Babesia microti* IgG/IgM by ELISA (serum required)
431 ☐ *Babesia* WA1 by Real-Time PCR
355 ☒ *Bartonella henselae* IgG/IgM by ELISA (serum required)
317 ☐ *Bartonella henselae* by Real-Time PCR
424 ☐ *Borrelia afzelii* by Real-Time PCR
425 ☐ *Borrelia garinii* by Real-Time PCR
430 ☐ *Borrelia lonestari* by Real-Time PCR
411 ☐ *Ehrlichia chaffeensis* (HME) & *Anaplasma phagocytophilum* (HGE) by Real-Time PCR
305 ☐ Lyme disease *(B. burgdorferi)* by Real-Time PCR
427 ☒ Lyme disease IgG/IgM by ELISA (serum required)
417 ☒ Lyme disease C6 Peptide by ELISA (serum required)
313 ☒ Lyme disease Western blot (IgG/IgM) (serum required)
416 ☐ *Rickettsia rickettsii* (RMSF) by Real-Time PCR

Physicians must only order tests that they have determined are medically necessary for the diagnosis and treatment of a patient. MDL offers individual tests, as well as a limited number of customized panels. If you choose to order a panel, please make certain that each and every test is medically necessary. If you check off a panel as your choice, MDL understands that the physician has determined that all of the component tests are medically necessary, and will perform, report and bill for all such component tests.

** This test can only be performed when the test in parenthesis is positive. All tests performed will be billed.*

Other Tests/Panels:

For additional tests/panels, please refer to our website: www.mdlab.com.

Blood Specimen Collection

The proper specimen collection technique is very important in identifying pathogens from DNA. Medical Diagnostic Laboratories, L.L.C. provides the specimen collection kits for your convenience when submitting whole blood and serum specimens.

Whole Blood: Yellow Top (ACD solution A)

- In accordance with the standard operating procedure of your facility, collect blood in two yellow top (ACD solution A) tubes.
- Allow the tubes to fill properly to ensure the proper blood to anticoagulant ratio.
- Invert gently several times to mix and prevent clot formation. Do not shake the tubes. Do not centrifuge.
- Label the vials with a minimum of two patient identifiers such as patient name and date of birth.
- For packaging and shipping instructions, please refer to the back.

Serum: Serum Separator Tube

- In accordance with the standard operating procedure of your facility, collect blood in a serum separator tube (SST).
- Label the vial with a minimum of two patient identifiers such as patient name and date of birth.
- Allow the specimen to clot at room temperature for a minimum of 30 minutes.
- Centrifuge the specimen at room temperature at a speed of 1000 to 1300 RCF for 10 minutes in a swinging bucket centrifuge and 15 minutes in a fixed-angle centrifuge.
- For packaging and shipping instructions, please refer to the back.

Collection Kits:

Whole Blood

Testing:

- Real-Time PCR
- Pyrosequencing
- Next Generation Sequencing

Serum

Testing:

- ELISA
- IFA
- Western blot

Whole Blood & Serum

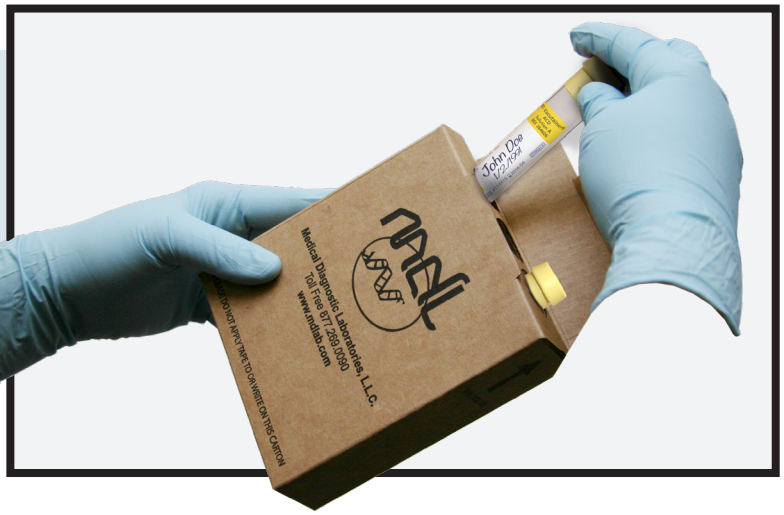
Testing:

- Real-Time PCR
- Pyrosequencing
- Next Generation Sequencing
- ELISA
- IFA
- Western blot

CAP ACCREDITED
COLLEGE of AMERICAN PATHOLOGISTS

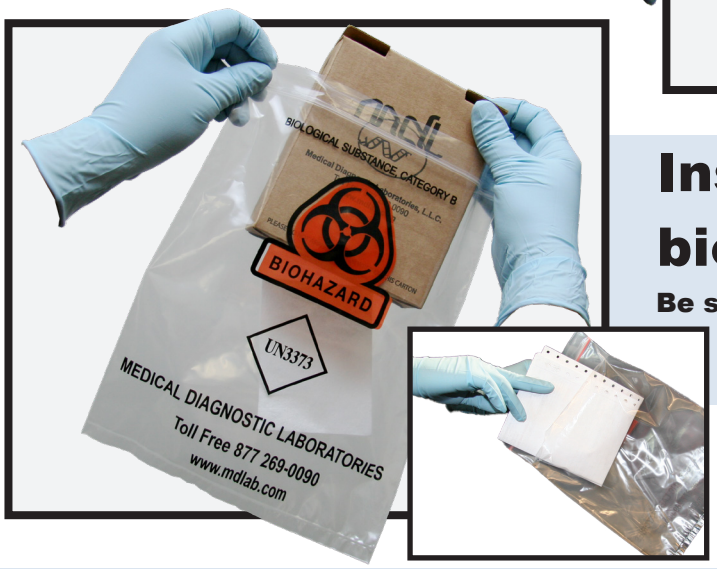
Packaging MDL Specimens for FedEx Pick-up.

1 Insert labeled vial into mailer.

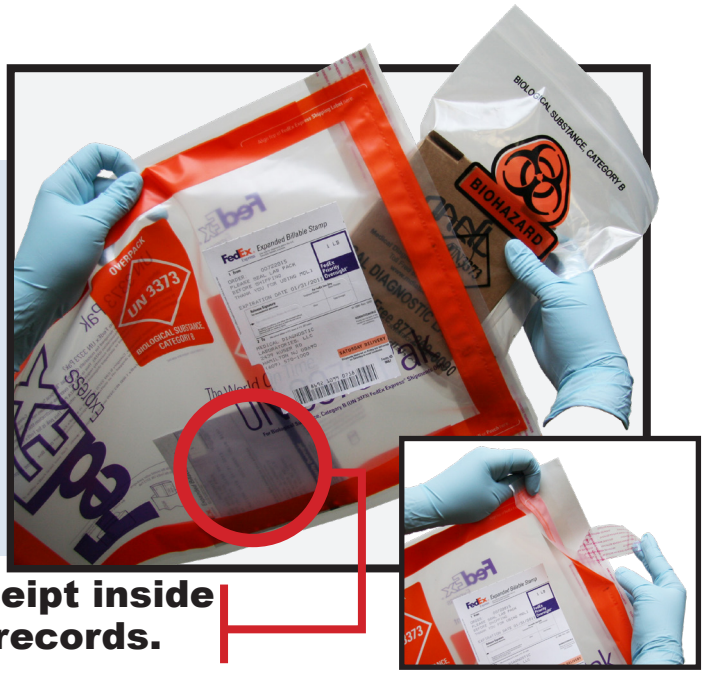


Insert the mailer into biohazard bag.

Be sure to include a completed test requisition form for each specimen in the front pocket of the biohazard bag.

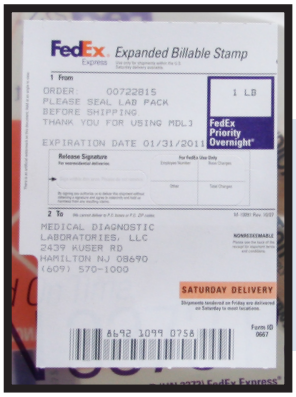


3 Insert sealed biohazard bag into the prepaid FedEx Lab Pack envelope. One Lab Pack will accommodate 6-7 Styrofoam containers.



Remove FedEx receipt inside Lab Pack for your records.

Don't forget to seal the Lab pack!



Verify that a preaddressed airbill is attached to ensure proper delivery.