

GRI LABS TEST MENU

GRI Labs is proud to offer a large and growing menu of tests across a wide variety of categories. As our menu continues to expand, please reach out to us even if a particular test is not shown here.

Blood Chemistry and Hematology

With a standard blood draw, we offer a wide range of serological and hematological tests and panels.

Complete Blood Count (CBC)

The CBC test checks for levels of 10 different components of every major cell in the blood.

Basic and Comprehensive Metabolic Panels (BMP and CMP)

Metabolic panels check for levels of key compounds in the blood. Abnormal results may indicate kidney disease, diabetes, or hormone imbalances.

	BMP	CMP
A/G Ratio		•
Albumin		•
ALP (Alkaline Phosphatase)		•
ALT (Alanine Aminotransferase)		•
AST (Aspartate Aminotransferase)		•
BUN (Blood Urea Nitrogen)	•	•
Calcium	•	•
CO2 (Carbon Dioxide)	•	•
Creatinine	•	•
Direct Bilirubin		•
eGFR (Calculated)	•	•
Globulin		•
Glucose	•	•
ISE (Na, K, Cl)	•	•
Total Bilirubin		•

Lipid Panel

The lipid profile test checks levels of two types of cholesterol: high-density lipoprotein (HDL), or “good” cholesterol and low-density lipoprotein (LDL), or “bad” cholesterol.

Cholesterol (Total)
HDL Cholesterol
LDL (Calculated)
Triglycerides

Hepatic Panel

The hepatic panel provides information about the state of the patient's liver by measuring blood levels of key indicators.

Albumin
ALP
ALT
AST
Direct Bilirubin
GGT
Total Bilirubin
Total Protein

Thyroid Panel

The thyroid panel, or thyroid function test, checks how well the thyroid is producing and reacting to certain hormones.

Free T3
Free T4
Total T3
Total T4
TSH (3rd IS)

Renal Panel									
<i>The renal panel provides information on the current status of the kidneys, electrolyte balance, acid/base balance, and blood sugar levels.</i>									
	Albumin								
	BUN (Blood Urea Nitrogen)								
	BUN / Creatinine (Calculated)								
	Calcium								
	CO2 (Carbon Dioxide)								
	Creatinine								
	eGFR								
	Glucose								
	Phosphorus								
	ISE (Na,K,Cl)								
Iron Studies Panel									
<i>Iron tests measure different substances in the blood to check iron levels in the body.</i>									
	Ferritin								
	Folate								
	Iron								
	Iron Saturation (Calculated)								
	TIBC (Calculated)								
	UIBC								
	Vitamin B12								
Individual Blood Tests									
<i>We also offer the following tests that are typically ordered individually.</i>									
	Amylase								
	C-Reactive Protein (CRP)								
	Depakote								
	Hemoglobin A1C (HbA1c)								
	Magnesium								
	Prealbumin								
	Procalcitonin								
	PSA (Free and Total)								
	Sedimentation Rate (ESR)								
	Uric Acid								
	Vancomycin								
	Vitamin D								

Urinalysis (UA)	
<i>Our UA Chemistry and UA Microscopy tests use automated technology to screen for bacteria, nitrates and other debris in urine.</i>	
<i>In the case of a positive screen, our PCR-based UTM test can provide confirmation and identify pathogens with more specificity.</i>	
UA Chemistry	
Bilirubin	Leukocytes
Blood	Nitrite
Clarity	pH
Color	Protein
Glucose	Specific Gravity
Ketone	Urobilinogen
UA Microscopy	
All Small Particle	Non-Squamous Epithelial
Amorphous Crystal	Oval Fat Body
Artifact	Red Blood Cell Cast
Bacteria	Red Blood Cell Clump
Broad Cast	Red Blood Cell
Budding Yeast	Renal Epithelial
Calcium Carbonate	Sperm
Calcium Oxalate	Squamous Epithelial
Calcium Phosphate Crystal	Transitional Epithelial
Cellular Cast	Trichomonas
Cystine Crystal	Triple Phosphate Crystal
Dysmorphic Red Blood Cell	Tyrosine Crystal
Epithelial Cast	Unclassified
Fat	Unclassified Cast
Fatty Cast	Unclassified Crystal
Granular Cast	Uric Acid Crystal
Hyaline Cast	Waxy Cast
Hyphae Yeast	White Blood Cell
Leucine Crystal	White Blood Cell Cast
Mucous	White Blood Cell Clump

Urinary Tract Infections (UTIs) and Vaginal Tract Microbiota (VTM)					
<i>From a convenient urine sample, we detect UTIs plus certain Vaginal Tract Microbiota (VTM), including common STDs.</i>					
<i>With a vaginal swab, we can detect even more VTMs and STDs, including syphilis.</i>					
				<u>Urine Sample</u>	<u>Vaginal Swab</u>
		Acinetobacter baumannii		•	
		Citrobacter freundii		•	
		Enterobacter aerogenes		•	
		Enterobacter cloacae		•	
		Enterococcus faecium		•	
		Klebsiella oxytoca		•	
		Klebsiella pneumoniae		•	
		Morganella morganii		•	
		Proteus mirabilis		•	
		Proteus vulgaris		•	
		Providencia stuartii		•	
		Pseudomonas aeruginosa		•	
		Staphylococcus saprophyticus		•	
		Candida albicans		•	•
		Enterococcus faecalis		•	•
		Escherichia coli		•	•
		Streptococcus agalactiae (group B)		•	•
		Atopobium vaginae		•	•
		BVAB2		•	•
		Chlamydia trachomatis		•	•
		Gardnerella vaginalis		•	•
		Megasphaera 1		•	•
		Mycoplasma genitalium		•	•
		Neisseria gonorrhoeae		•	•
		Prevotella bivia		•	•
		Trichomonas vaginalis		•	•
		Bacteroides fragilis			•
		Candida dubliniensis			•
		Candida glabrata			•
		Candida krusei			•
		Candida lusitanae			•
		Candida parapsilosis			•
		Candida tropicalis			•
		Haemophilus ducreyi			•
		HSV1			•
		HSV2			•
		Lactobacillus crispatus			•
		Lactobacillus gasseri			•
		Lactobacillus iners			•
		Lactobacillus jensenii			•
		Megasphaera 2			•
		Mobiluncus curtisii			•
		Mobiluncus mulieris			•
		Mycoplasma hominis			•
		Staphylococcus aureus			•
		Treponema pallidum (syphilis)			•
		Ureaplasma urealyticum			•

Gastrointestinal (GI) Infections	
<i>Our PCR-based test for gastrointestinal infections is used to detect C Diff (Clostridium Difficile) and other pathogens.</i>	
Adenovirus F40/41	Listeria monocytogenes
Astrovirus	Norovirus GI
Campylobacter pool	Norovirus GII
Clostridium difficile (toxin A/B)	Plesiomonas shigelloides
Cryptosporidium spp.	Rotavirus A
Cyclospora cayetanensis	Rotavirus B
E. coli enteroinvasive (EIEC) / Shigella spp	Rotavirus C
E. coli O157	Salmonella 2
Entamoeba histolytica	Sapovirus 1 of 2
Enteroggregative E. coli (EAEC)	Sapovirus 2 of 2
Enteropathogenic E. coli (EPEC)	Shiga-like toxin-producing E. coli (STEC) stx1/stx2
Enterotoxigenic E. coli (ETEC)	Vibrio pool
Giardia lamblia	Yersinia enterocolitica
Wound Care (Coming Soon)	
<i>Our PCR-based wound care test detects pathogens found in infected wounds and soft skin and provides antibiotic resistance markers.</i>	
Bacterial	
Acinetobacter baumannii	Mycobacterium fortuitum
Bacteroides fragilis	Mycobacterium ulcerans
Bacteroides vulgatus	Mycoplasma genitalium, hominis
Citrobacter freundii	Peptostreptococcus prevotii
Clostridium perfringens	Peptostreptococcus anerobius
Clostridium novyi	Peptostreptococcus asaccharolyticus
Clostridium septicum	Peptostreptococcus magnus
Corynebacterium jeikeium	Proteus mirabilis
Corynebacterium striatum	Proteus vulgaris
Enterobacter aerogenes	Pseudomonas aeruginosa
Enterobacter cloacae	Salmonella enterica
Enterococcus faecalis	Serratia marcescens
Enterococcus faecium	Staphylococcus saprophyticus
Escherichia coli	Staphylococcus lugdunensis
Haemophilus influenzae	Staphylococcus epidermidis
Klebsiella oxytoca	Staphylococcus haemolyticus
Klebsiella pneumoniae	Staphylococcus aureus
Mycobacteriodes abscessus	Stenotrophomonas maltophilia
Mycobacterium kansasii	Streptococcus pneumoniae
Mycobacterium intracellulare	Streptococcus agalactiae
Mycobacterium tuberculosis complex	Streptococcus pyogenes
Mycobacterium avium	Vibrio cholerae, parahaemolyticus, vulnificus
Mycobacterium marinum	
Viral	
Herpes zoster virus (Varicella zoster virus)	Trichophyton mentagrophytes
Herpes simplex virus 1 & 2	Trichophyton tonsurans
Fungal	Trichophyton rubrum
Pan-Candida (C.glabrata, C.krusei, C.auris)	Trichophyton soudanense
Microsporium audouinii	Trichophyton Terrestre
Microsporium canis	Trichophyton verrucosum
Microsporium gypseum	Trichosporon mucoides
Trichophyton interdigitale	

Respiratory Infections (including Flu and Covid-19)			
<i>From a nasal or nasopharyngeal swab, we can detect Covid-19 as well as common and not-so-common respiratory tract microbiota (RTM).</i>			
Coronavirus SARS-CoV-2 (Covid-19)			
<i>The "gold-standard" PCR-based diagnostic test for Covid-19.</i>			
Respiratory Pathogen Panels			
<i>We offer both Basic and Comprehensive panels to detect Respiratory Tract Microbiota. The basic panel (RTM-B) detects Covid-19 plus the common respiratory ailments of flu, RSV, and pneumonia. The comprehensive panel (RTM-C) detects an extensive set of respiratory pathogens.</i>			
		<u>RTM-B</u>	<u>RTM-C</u>
<u>Viral Respiratory Pathogens</u>			
Adenovirus		•	•
Coronavirus HKU1		•	•
Coronavirus NL63		•	•
Coronavirus 229E		•	•
Coronavirus OC43		•	•
Coronavirus SARS-CoV-2 (Covid-19)		•	•
Human metapneumovirus		•	•
Rhinovirus		•	•
Enterovirus (Pan)		•	•
Enterovirus D68		•	•
Influenza A (Pan)		•	•
Influenza A/H1-2009		•	•
Influenza A/H3		•	•
Influenza B (Pan)		•	•
Parainfluenza 1		•	•
Parainfluenza 2		•	•
Parainfluenza 3		•	•
Parainfluenza 4		•	•
Respiratory Syncytial Virus A		•	•
Respiratory Syncytial Virus B		•	•
Epstein-Barr virus (EBV) (HHV-4)			•
Cytomegalovirus (HHV-5)			•
Human herpesvirus 6 (HHV-6)			•
<u>Bacterial Respiratory Pathogens</u>			
Bordetella (PAN)			•
Bordetella pertussis			•
Chlamydomphila pneumoniae		•	•
Mycoplasma pneumoniae		•	•
Streptococcus pneumoniae		•	•
Staphylococcus aureus			•
Klebsiella pneumoniae		•	•
Legionella pneumophila		•	•
Haemophilus influenzae		•	•

Toxicology			
<i>Toxicology testing, known more simply as drug testing, consists of screens and confirmations from both urine and saliva samples.</i>			
Toxicology Screens			
<i>Screening, also known as Presumptive Immunoassay Drug Testing, is the first step in the identification of drugs and their metabolites</i>			
Barbituates		Methamphetamine	
Amphetamine		Opiates	
BENZ		Oxidant	
Cocaine		Oxycodone	
Creatinine		PCP	
Ecstasy		PH	
ETG		SP GRAV	
Methadone		THC	
Toxicology Confirmations			
<i>Confirmatory testing, as directed by screens, is performed with definitive LCMS/MS (liquid chromatography / tandem mass spectrometry). Although a urine sample is preferred, some metabolites may also be detected with an oral fluid sample.</i>			
		<u>Urine Sample</u>	<u>Saliva Sample</u>
<u>Anticonvulsants</u>			
Gabapentin		•	
Pregabalin		•	
Carbamazepine		•	
<u>Antidepressants</u>			
Amitriptyline		•	
Doxepin		•	
Imipramine		•	
Norsertaline		•	
Nortriptyline		•	
Paroxetine		•	
Norfluoxetine		•	
<u>Barbiturates</u>			
Amobarbital		•	
Butalbital		•	•
Phenobarbital		•	•
Pentobarbital		•	
Secobarbital		•	•
<u>Benzodiazepines</u>			
Alprazolam		•	•
Clonazepam		•	•
Diazepam		•	•
Flunitrazepam		•	•
Flurazepam		•	
Lorazepam		•	•
Midazolam		•	
Oxazepam		•	•
Temazepam		•	•
<u>Illicits</u>			
6 MAM (Heroin Metabolite)		•	•
Benzoyllecgonine (Cocaine)		•	•
Ketamine		•	
MDEA		•	•
MDA		•	•
MDMA (Ecstasy)		•	•

	Methamphetamine	•	•				
	Mitragynine	•					
	Phencyclidine (PCP)	•	•				
	THC	•	•				
	<u>Muscle Relaxants</u>						
	Baclofen	•					
	Carisoprodol	•					
	Cyclobenzaprine	•					
	Meprobamate	•					
	<u>Opiates</u>						
	Codeine	•	•				
	Hydrocodone	•	•				
	Hydromorphone	•	•				
	Morphine	•	•				
	Norhydrocodone	•					
	Oxycodone	•	•				
	Oxymorphone	•	•				
	<u>Stimulants</u>						
	Amphetamine	•	•				
	Methylphenidate	•					
	Methamphetamine	•	•				
	<u>Opioids: Synthetic</u>						
	Buprenorphine	•	•				
	Fentanyl	•	•				
	Meperidine	•	•				
	Metadone / EDDP	•					
	Naloxone (Suboxone)	•					
	Naltrexone	•					
	Norbupenorphine	•					
	Norfentanyl	•					
	Normeperidine	•					
	O-Desmethyltramadol	•					
	Propoxyphene	•					
	Tramadol	•	•				
	Tapentadol	•					
	Sufentanil	•					
	<u>Alcohol</u>						
	Ethanol	•					
	ETG/ETS	•					
	<u>Other</u>						
	Cotinine	•					
	Phentermine	•					
	Ritalinic Acid	•					
	Zolpidem	•					

