

Molecular Diagnostics Laboratory

The Molecular Diagnostics Laboratory was established in 2006 as the first hospital based Molecular Lab in the state. The lab is fully-equipped, and features state of the art instruments and air flow for a DNA-free environment. The Molecular department offers an extensive molecular test menu and uses technologies that produce more accurate, sensitive, and precise results than traditional laboratory methods.

LHML Molecular testing service provides the following benefits:

- Shorter turnaround times
- Cutting edge test methodologies
- Knowledgeable staff
- Definitive test results for infectious diseases organisms, genetics, thrombophilia and cancer mutations.

Always refer to the Logan Health Test Catalog, <https://logan.testcatalog.org> for specific test information and specimen stability.

****STAT testing available on a case by case basis.**

TEST	TAT	TEST	TAT
B.pertussis and B. Parapertussis **	Batched (M-F) 12 to 24 hours	Herpes simplex Virus 1, 2 ** DERM	Batched Daily (M-F) 12 – 24 hours
Chlamydia Trachomatis (CT)	Batched Daily (M-F) 72 to 96 hours STAT 24/7	HPV – HR Screen and 16/18 High Risk	Batched Daily (M-F) 72 - 96 hours
Factor II (Prothrombin) G2021A	Monday – Friday 4 – 6 hours	Influenza A & B Respiratory Syncytial Virus (RSV)	Available Daily, 2 – 4 hours STAT 24/7
Factor V Leiden	Monday – Friday 4 – 6 hours	MRSA PCR NARES	Batched Daily (M-F) 12 – 24 hours STAT 24/7
Meningitis – Encephalitis Panel Escherichia coli K1, Haemophilus influenza, Listeria monocytogenes, Neisseria meningitides, Streptococcus agalactiae, Cytomegalovirus, Enterovirus, Herpes simplex virus 1, 2 and 6, Human parechovirus, Varicella Zoster virus, Cryptococcus neoformans/gatti	Available Daily - 2 hours STAT 24/7	MRSA/SA NARES	Batched Daily (M-F) 24 – 48 hours
Gastrointestinal Panel, PCR (GIPANEL) (B) Campylobacter, Clostridium difficile-toxin A/B, Pleisiomonas shigelloides, Salmonella, Vibrio, V.cholerae, Yersinia enterocolitica (V) Adenovirus F 40/41, Astrovirus, Norovirus GI/GII, Rotoavirus A, Sapovirus-I,II,IV,V (D) Shiga-like toxin E.coli, E.coli 0157, Shigella/Enteroinvasive E. coli-EIEC (P) Cryptosporidium, Cyclospora cayetanensis, Entamoeba histolytica, Giardia lamblia (more detail test catalog)	Available Daily - 2 hours	MRSA/SA SSTI Skin/soft tissue infections	Batched Daily (M-F) 12 – 24 hours STAT 24/7
Group A Strep, (GAS)	Monday - Sunday 2 to 4 hours	Mycobacterium TB Rifampicin Resistance	Available Daily 2 – 4 hours STAT 24/7
Group B Strep, (GBS)	Batched (M-F) 24 – 36 hours	Neisseria gonorrhoea (GC)	Batched Daily (M-F) 72 - 96 hours STAT 24/7
Vaginal Pathogen Screen	Batched Daily 24 to 48 hours	Norovirus GI, II	Available Daily 4 – 6 hours, STAT 24/7
Varicella zoster Virus (VZV) Dermal	Batched (M-F), 12 - 24hours	Respiratory Panel (RP) Adenovirus, Coronavirus 229E, HKU1, NL63, OC43, Influenza A & B, Human Metapneumovirus, parainfluenza 1-4, RSV, Rhinovirus/Enterovirus, Bordetella pertussis, Chlamydia pneumoniae, Mycoplasma pneumoniae	Available Daily, 2 – 4 hours STAT 24/7