

# Wisconsin Diagnostic Laboratories

## Scope of Laboratory and Pathology Services

### Purpose

The purpose of this document is to provide customers and outside agencies an overview of the laboratory, pathology, and administrative activities performed at Wisconsin Diagnostic Laboratories (“WDL”). WDL is a wholly owned subsidiary of Froedtert Thedacare Health Inc. (“FT”) with a DYAD relationship for medical oversight provided by the Medical College of Wisconsin (“MCW”) Department of Pathology. Services provided by WDL aim to fulfill the mission of optimizing patient care by providing patient-centric, quality, innovative medical laboratory testing.

### Types of Services Provided

WDL provides expert, full-service laboratory services to patients and clients located in Southeast Wisconsin (“SE WI”) and beyond. WDL is a subsidiary of FT, which allows the expansion of laboratory services provided to patients leading to over six million tests performed annually. Laboratory services provided by WDL enhance the care and treatment of various patient populations including hospital inpatients, clinic outpatients, independent physicians and clinics, hospital clients, Federally Qualified Health Centers, and long-term care (“LTC”) nursing facility residents.

The LTC division of WDL provides outpatient phlebotomy services to over 100 nursing care facilities in SE WI. WDL also provides phlebotomy services at Patient Service Centers (“PSC”) and Intra Office Phlebotomy Centers (“IOP”). Samples collected at these locations are routed to the main laboratory located at the Milwaukee Regional Medical Center Campus. Clinical and anatomical laboratory services are provided to Froedtert Memorial Lutheran Hospital (“FMLH”) inpatients by the main WDL laboratory. Additional on-site laboratories also provide services to FMLH:

Rapid Response Laboratory (RRL): A STAT testing lab located inside FMLH that offers coagulation and chemistry testing. The RRL is staffed 24/7 to support the Operating Room (“OR”), Intensive Care Unit (“ICU”), medical emergency response, Post-Anesthesia Care Unit (“PACU”), and Imaging departments. The RRL also monitors intra-operative parathyroid hormone (“IOPTH”) levels during parathyroidectomy procedures.

Frozen Section Suite: Adjacent to the RRL, the Frozen Section Suite (“FSS”) processes fresh surgical tissue from the OR. Tissue is frozen and cut for microscopic interpretation for a diagnosis to be made within minutes. A report is provided by a pathologist within 30 minutes of receipt which allows diagnostic decisions to be made while the patient is in the OR. The FSS is also used for the study of fatty/lipoid tissue that would be dissolved by solvents employed in routine paraffin processing.

Cancer Center Lab: Located on FMLH’s main campus, the Cancer Center Clinic manages cancer outpatient services such as transfusion, consultation, and lab services. The Cancer Center Laboratory is operated by WDL and has comprehensive hematology and chemistry capabilities for processing blood and urine samples on-site. Hours of operation are Monday-Friday 0600-

1630. Specimens that require special processing are routed to the WDL main laboratory for STAT processing and analysis.

## Test Directory

The Test Directory, which includes all in-house and send-out tests offered by WDL, is a reference tool that includes information about test ordering recommendations, patient preparation, collection, specimen preparation, storage/transport, result reporting, unacceptable conditions, stability, methodology, reference intervals, interpretive data, coding, etc. The complete testing menu is maintained by the various operational departments of WDL:

Anatomic Pathology: Comprised of cytology, histology, and immunohistochemistry specialties, completes sub-specialty sign-out of surgical pathology cases triaged to dedicated specialists. Pathology Administrative Support Service (“PASS”) staff manage the send out of cases to clinical and surgical teams of Froedtert enterprise and other outside institutions.

Cytogenetics: Supports a full range of cytogenetic, fluorescent in situ hybridization (“FISH”), and karyotype analysis for congenital disorders, DNA testing for Fragile X, DNA isolation for metabolic testing, leukemia, lymphoma, myeloproliferative disorders, Prader-Willi/Angelman syndrome, prenatal screening, and solid tumors.

Chemistry: With the support of state-of-the-art instrumentation, provides a comprehensive test menu for routine to highly complex chemistry and immunology tests such as electrophoresis, blood gases, and immunoassays.

Coagulation: Combination of both routine and specialty assays, the coagulation department provides monitoring of heparin, Dabigatran, and Argatroban therapies. Coagulation supports the testing for hemophilia, platelet function, and DIC panels for patients.

Flow Cytometry: Utilizing gold standard Fluorescence Flow Cytometry technology, laboratory personnel produce efficient and highly accurate analysis of patient samples for lymphocyte subsets, leukemia/lymphoma markers, BMT, and PNH marker panels.

Hematology: Performs cell counts and differentials on blood, urine, bone marrow, and sterile body fluids allowing physicians to diagnose and monitor hematological diseases. Hematology performs over 1,500 bone marrow biopsies each year.

Microbiology/Molecular: Subspecialties of aerobic/anaerobic bacteriology, molecular diagnostics, mycobacteriology, mycology, and parasitology, aids in the identification of microbiological pathogens.

Toxicology: Test methodologies ranging from atomic absorption to liquid chromatography mass spectrometry to gas chromatography, allow for the measurement of various drugs and therapeutic monitoring.

Transfusion Services: Provides life-saving blood and blood products to the only Level One Trauma Center in SE WI. Supports transfusions for oncology, surgical, and sickle cell exchange programs.

Molecular Genomics: Acquired by WDL in 2024, the Molecular Genomics Laboratory extracts, amplifies, and sequences DNA from blood and saliva samples for identification of genetic anomalies associated with malignant disease.

The partnership between WDL, pathologists, and other experts at MCW offers healthcare providers consultative services. Medical directors in each of the specialty areas above can discuss results and answer questions about test requirements or clinical services.

Along with consultation services, the individual laboratory departments operate with the other pre-examination and post-examination departments at WDL:

Pre-Analytical: Receives and processes all specimens. Gives timely and consistent delivery of specimens to the technical departments for testing.

Sendout/Reference: Manages specimens, requisitions, and interfaces of tests performed by reference laboratories. Involved with the packaging and shipping of specimens as well as managing the results for patients.

Courier Services: Partners with Medspeed for pickup and delivery needs. Facilitates scheduled and on-demand services.

Client Services: Available 24/7, the Client Services team provides a central point of contact for all laboratory related inquiries including, but not limited to, test requirements, results availability, interpretation, and delivery, critical value notification and problem/complaint investigation and resolution.

Drug and Alcohol in the Workplace: Offers organizations drug and alcohol testing with on-site collection services and Employer Reasonable Suspicion training. Adhering to rigorous standards set by the Department of Transportation (“DOT”), clients can safeguard their workforce optimizing time and cost.

## Types and Ages of Patients Served

Laboratory services of WDL are provided to patients of all ages in Eastern Wisconsin and Northern Illinois. From residents at LTC facilities to patients admitted at FMLH, care is provided to a diverse and inclusive population.

## Days and Hours of Operation

WDL is a 24-hour, full-service independent clinical diagnostic reference laboratory that supports the healthcare of clients and partners.

## Accreditations Achieved

Accredited and licensed by the College of American Pathologists (“CAP”), CAP ISO 15189, American Association of Blood Banks (“AABB”), Clinical Laboratory Improvement Amendments (“CLIA”), Food and Drug Administration (“FDA”), and The Joint Commission (“TJC”).



## Contact Information

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## Medical Director, Professor, and Chairman, Department of Pathology

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## Executive Committee

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## Medical Directors

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