



Partnering with Medical Professionals for Humanity

## Medex Basic Lab

*The Medex Basic Lab is the starter lab for smaller offices and clinics. It is designed for the start-up clinic with a daily patient capacity of 25 to 40. The Medex Basic Lab is easily expandable to the Medex Basic LabPlus or the Medex Premium Lab which is the full service reference laboratory.*

**Warranty:** Medex Labs carry a two year warranty on all equipment as per our published warranty statement.

Medex Laboratories Ltd in collaboration with BioMedica Diagnostics Inc. have developed three of the **World's Number One** portable labs to assist Medical Professionals in emerging economies of the world and help with the prevention of many diseases.

Medical Professionals can choose from

1. **Medex Basic Lab** is the starter system offering the routine diagnostic menu suitable for smaller clinics with a daily patient load of 25 to 40.
2. **Medex Basic LabPlus** is the intermediate system offering an expanded diagnostic menu including Haematology. This is the laboratory of choice for most medium sized clinics and hospitals with a daily patient load of 50 to 75.
3. **Medex Premium Lab** is the full service reference lab servicing multiple clinics and larger health care facilities. It is designed to offer a comprehensive menu of tests, with a daily patient capacity of 125 to 150.

The **Medex Basic Lab** is the entry level laboratory especially designed for smaller clinics. It offers a versatile diagnostic menu sufficient for routine diagnosis of common infections and ailments.

This laboratory package consists of smaller lab equipment commonly required for sample preparation, blood chemistry work, blood clotting assessment and Microscopy. This lab provides a comprehensive menu of diagnostics entailing: **Routine Blood Chemistry, Coagulation Testing, Immunodiagnosics for infectious diseases, Urinalysis and Basic Microbiology.** (See complete menu on reverse.)

This complete package has easy to use portable instruments, diagnostic chemistries, labware and accessories packaged with installation, training and on-going technical support to establish a comprehensive near patient Medical laboratory.

Medex Labs are the most affordable alternative in modern laboratory medicine today.



[www.medexlabs.ca](http://www.medexlabs.ca)

*"The common phenomenon in most developing countries is the presence of lab equipment which is not usable or not used because it is not appropriate for the local needs, is improperly installed, or is defective at delivery. End users are often untrained in the equipment usage or maintenance..."* World Health Organization.

## Clinical Chemistry Reagents

A wide range of reagents to meet most of your common diagnostic testing needs in-house. Most reagents are liquid, stable and ready for use. Simple procedures for use are included.

### Indicator Enzymes

Acid phosphatase (ACP)  
Alkaline phosphatase (ALP)  
Alanine aminotransferase (ALT)  
Amylase (AMY)  
Aspartate aminotransferase (AST)  
Creatine kinase (CKN)  
Gamma glutamyl transferase (GGT)  
Lactate dehydrogenase (LDH)  
Lipase (LIP)

### Lipid Derivatives

Apolipoprotein A-1 (APA)  
Apolipoprotein B (APB)  
Cholesterol (CHO)  
High density cholesterol (HDL)  
Triglycerides (TRI)

## Clinical Chemistry Reagents (Continued...)

### Indicator Metabolites

Albumin (ALB)  
Bilirubin (BIL)  
Creatinine (CRT)  
Glucose (GLU)  
Hemoglobin (HEM)  
Microalbumin (MIB)  
Microprotein (MIP)  
Protein, total (PRO)  
Urea nitrogen (BUN)  
Uric acid (URI)

### Inorganic Electrolytes

Ammonia (AMN)  
Calcium (CAL)  
Carbon dioxide (CAR)  
Chloride (CHL)  
Iron (RIO)  
Magnesium (MAG)  
Phosphorus (PHO)  
Potassium (POT)  
Sodium (SOD)

### QuikCoag™ Coagulation Reagents & Controls

Prothrombin Time (PT-HS)  
Activated Partial Thromboplastin Time (APTT)  
Clacium Chloride  
Normal Plasma Control  
Low Abnormal Plasma Control  
High Abnormal Plasma Control

## Immunodiagnosics

### Infectious Diseases

Chagas disease  
Chlamydia  
Cholera  
Cryptosporidiasis  
Dengue fever  
Epstein-Barr Virus (EBV)  
Gonorrhea  
Helicobacter pylori  
Hepatitis (HAV, HBV & HCV)  
Hepatitis B Virus (Surface Ag)  
HIV 1 & HIV 2  
Infectious mononucleosis  
Leishmaniasis  
Malaria  
Measles (rubella)  
Mumps  
Mycoplasmosis  
Streptococcosis (Strep A)  
Syphilis  
Toxoplasmosis (IgG & IgM)  
Tuberculosis  
Typhoid fever

### Cardiac Markers

Myoglobin  
Troponin 1

### Cancer Screening

Alpha-fetoprotein (AFP)  
Antigen CA 12-5 - ovarian  
Antigen CA 15-3 - breast

## Immunodiagnosics (Continued...)

Antigen CA 19-9 - colon  
Carcinoembryonic antigen (CEA)  
Prostatic acid phosphatase (PAP)

### Fertility / Hormones

Estradiol - fertility  
FSH (urine) - fertility  
hCG - pregnancy  
LH - ovulation  
Progesterone - fertility  
Testosterone - fertility

### Drugs of Abuse

Amphetamines  
Barbiturates  
Benzodiazepine (BZD)  
Cocaine  
Methadone  
Methamphetamines  
Morphine/Heroin/Opiates  
Phencyclidine (PCP)  
THC Cannabis

### Other Tests

Blood Grouping  
Occult Blood  
IgE  
Rheumatoid Factor  
Thyroid-stimulating hormone (TSH)  
Triiodothyronine (T3)  
Thyroxine (T4)

## Urinalysis

Strips for the rapid analysis of carbohydrate metabolism, kidney and liver function, acid-base balance and bacteriuria:

Glucose  
pH  
Proteins  
Ketones  
Blood  
Bilirubin  
Nitrites  
Urobilinogen  
Specific Gravity  
Leukocytes

## Medex Basic Lab

Blood Chemistry Analyzer (1)

Blood Coagulometer, Single Channel (1)

Clinical Centrifuges (1)

Microscopy Station (1)

Laptop (1)

**Total Equipment Pieces: 5**

## Consumables (2-4 month supply)

Blood Chemistry Reagents (34)

Latex Agglutination Package (10)

Urinalysis Test Strips (10)

Microbiology/Parasitology (12)

**Assay Types Approx. : 90**

Blood Coagulation Reagents (6)

Immunodiagnostic Cartridges (21)

Blood Typing Kits (4)

**Individual Assays or > 10,000**

IMMUNODIAGNOSTICS  
URINALYSIS

COAGULATION  
BLOOD CHEMISTRY  
MICROBIOLOGY

