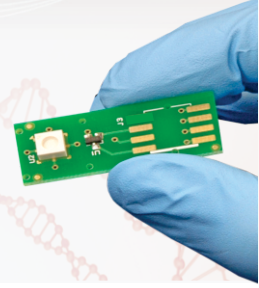




Truelab® Real Time Quantitative micro PCR system

- Point of Care
- Portable
- Rapid
- Automatic
- Battery/Mains operated
- Wireless Data Transfer

Take your Lab with you



The **Truelab®** Real Time quantitative micro PCR system from Molbio Diagnostics brings PCR technology right to the point-of-care, at all laboratory and non-laboratory settings, primary centres, in the field, near patient, essentially at all levels of healthcare thereby decentralizing and democratising access to molecular diagnostics. With a large and growing menu of assays for infectious diseases, this rapid, portable technology enables early and accurate diagnosis and initiation of correct treatment right at the first point of contact. The platform is infrastructure independent and provides complete end to end solution for disease diagnosis. With proven ability to work even at Primary Health Centres and with wireless data transfer capability, this game changing technology brings in a paradigm shift to the global fight in control and management of devastating infectious diseases.

The system works on disease specific **Truenat®** microchips for conducting a real time PCR. The chips carry batch specific information and standard curve values and require only 6 µl of purified nucleic acid sample for the reaction. The chips run on the fully automatic **Truelab® Uno Dx** real time micro PCR analyzer and quantitative results are available in about 35-40 minutes. The sample preparation (extraction and purification) is done on a fully automated, cartridge based **Trueprep® AUTO v2** sample prep device. The process is simple and user friendly and takes about 20 minutes. ICMR, after extensive validation in 100 DMCs across 10 states in India screening over 11,000 TB suspects, has found **Truenat®** MTB, MTB Plus and MTB RIF Dx to be a more sensitive and specific test and hence recommended it as a **replacement** to smear microscopy and CBNAAT for diagnosis of TB and Rifampicin resistance under the RNTCP algorithm.

The salient features of the **Truelab®** system are,

- **Rapid** – sample to result in approximately one hour. While processing multiple samples, sample extraction and PCR can be done in parallel to increase throughput.
- **Simple** – Fully automated. Tests can be performed by a minimally trained technician.
- **User friendly** – **Truenat®** chips are stable at ambient temperature (upto 30°C for two years and upto 40°C for 6 months) and are ready to use.
- **Portable** – The instruments are light weight and mains/re-chargeable battery operated and can be carried in the field case provided.
- **Reliable** – Quantitative Real Time PCR chemistry using proven primers and probes. Built in full process control. Foolproof design.
- **Accurate** – On par with the state of the art. Extensively validated.
- **Robust** – All system components designed for rugged conditions.
- **Data transfer capability** – Results can be automatically/ manually transported to a printer or any remote device/server via GPRS/Wifi/Bluetooth.
- **Memory** – Upto 20,000 results can be stored on board.
- **Affordable** – Designed to meet the needs of developing countries. Single testing capability.

We from Molbio are proud to bring in this revolutionary technology and commit ourselves to continuous efforts towards improving the health and well being of the global population.

Truenat® Real Time micro PCR Chips

PRODUCTS AVAILABLE

- | | | |
|---------------------|--------------------------|-------------------------|
| • MTB ☺ | • Gonorrhoea ☺ | • Nipah ☺ |
| • MTB Plus ☺ | • Chlamydia/Gonorrhoea ☺ | • GBS ☺ |
| • MTB-RIF Dx ☺ | • Trichomonas ☺ | • Influenza A/B ☺ |
| • MTB-INH | • Dengue ☺ | • Beta CoV ☺ |
| • HAV ☺ | • Chikungunya ☺ | • COVID-19 ☺ |
| • HBV with VL | • Dengue/Chikungunya ☺ | • SARS CoV-2 ☺ |
| • HCV with VL | • Malaria Pf ☺ | • Scrub Typhus ☺ |
| • HEV ☺ | • Malaria Pv/Pf ☺ | • Shigella |
| • HIV-1 with EID+VL | • Salmonella ☺ | • Clostridium difficile |
| • HIV-1/HIV-2 | • Leptospira ☺ | • HSV (1/2) |
| • H1N1 ☺ | • Rabies ☺ | • Cholera |
| • H3N2/H1N1 | • HLA-B27 ☺ | |
| • Chlamydia | • HPV-HR ☺ | |

PRODUCTS COMING SOON

- | | | |
|-------------------------|-------------------------|---|
| • HPV-HR 16 & 18 | • Influenza AB/COVID-19 | • Pseudomonas aeruginosa (PA) |
| • HPV-HR 16,18/31,39,45 | • Rotavirus | • Streptococcus pneumoniae (SP) |
| • MTB Ultima | • Mucormycosis | • Kysanur Forest Disease (KFD) |
| • Staph/MRSA | • Mycobacterium leprae | • Haemophilus influenzae B (HB) |
| • ZIKA | • Monkeypox (MPX) | • Neisseria meningitidis (Nm) |
| • MTB-FQ | • Leishmania | • Japanese encephalitis virus (JEV) |
| • MTB/NTM | • Mycoplasma genitalium | • MERS (Middle East Respiratory Syndrome) |
| • CMV | • MTB Ultima/COVID-19 | • Respiratory syncytial virus (RSV) |
| • Mumps | • EBV | • Sickle Cell Anemia screening |
| • Dengue/Zika | • Brucella | |
| • Rubella/Measles | • HHV-6 (A/B) | |
| • Staph/PA | • Syphilis | |

PRODUCTS PIPELINE

- | | |
|------------------------|---------------------------|
| • HDV | • Rift valley fever |
| • Ebola | • Tick Borne encephalitis |
| • Adenovirus | • Rickettsial diseases |
| • Salmonella AMR | • Yellow fever virus |
| • Klebsiella | • Listeria monocytogens |
| • Bordetella pertussis | • Toxoplasma gondii |
| • H5N1 | |

WHO Rapid Communication 13th January 2020

“High diagnostic accuracy of Truenat as initial test to diagnose TB (i.e. replacing sputum smear microscopy) and to sequentially detect rifampicin resistance

The performance of Truenat MTB, MTB Plus and MTB-RIF Dx assays show comparable accuracy with other WHO approved molecular tests such as Xpert MTB/RIF and Xpert Ultra, TB-LAMP® and line probe assays for TB detection (Truenat MTB and Truenat MTB Plus) and for sequential rifampicin resistance detection (Truenat MTB-RIF Dx)”.