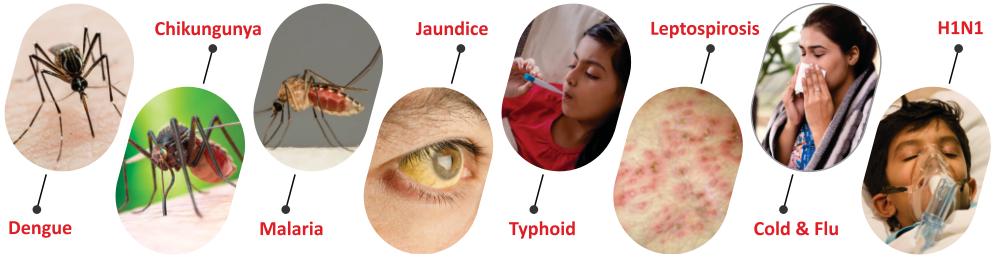


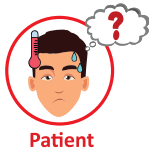
It's pouring Infections

Every year, the onset of monsoons brings with itself a host of diseases due to unhygienic conditions and non-adherence to basic preventive measures



Beware! Monsoon maladies can be misleading & at times be deadlier than COVID-19

Challenge



Patient

Fever:
Quarantine?
Self-medicate?
Consult a doctor?
Get tested?

*Patient
anxiety*



Physician

Presumptive or evidence based treatment:
Availability of reliable tests?
Differential diagnosis?
Turn-around time?

*Patient
management
stress*



Lab
Professional

Appropriate diagnostic tool:
Sensitivity and specificity?
Ease of use?
Infrastructure and manpower requirement?
Capital expenditure?

*Result
reporting
burden*

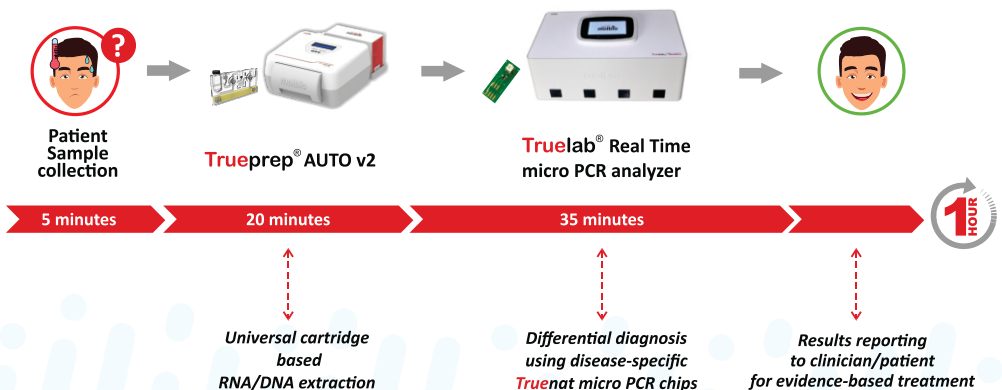
Solution



Ask for **Truenat**[®] Tests

- World's first Point-of-Care Real Time PCR platform
- Rapid, portable, battery-operated system
- Gold standard technology - highly sensitive and specific
- Confirms infection from **day one** of symptoms
- Enables early and accurate diagnosis with **same day** reporting of results
- Multi-disease testing capability
- Infrastructure independent
- Simple and fool proof workflow
- Real-time wireless data transfer capability
- Extensively validated. Licensed by Indian FDA. **CE** marked

Truenat[®] enables differential diagnosis within **ONE HOUR** from sample collection



Key notes on Truenat[®] disease specific Real Time PCR tests

Truenat[®] Dengue/Chikungunya

- **Intended Use:** Single or duplex test for quantitative detection and the differential diagnosis of infection with Dengue and/or Chikungunya virus
- **Sample Types:** Human blood/serum/plasma specimen
- **Target Genes:** Non-structural protein 4(*nsP4*) gene of the Chikungunya genome. 3' Untranslated region (UTR) of the Dengue genome that represents all four serotypes (DEN 1 to DEN 4) of Dengue virus
- **LoD:** 139.76 copies/ml for Dengue and 180.45 copies/ml for Chikungunya

Truenat[®] Malaria Pv/Pf

- **Intended Use:** Duplex test for quantitative detection and the differential diagnosis of infection with Malaria caused by *Plasmodium vivax* and *Plasmodium falciparum*
- **Sample Types:** Human blood
- **Target Genes:** Erythrocyte binding protein (EBP) gene (EBP is involved in the parasite's invasion of the red blood cells (RBC) by pathways that are specific to *P. vivax* & *P. falciparum*)
- **LoD:** 1553 copies/ml for *P. falciparum* plasmid DNA and 2569 copies/ml for *P. vivax* plasmid DNA

Truenat[®] HAV

- **Intended Use:** Detection and diagnosis of infection with Hepatitis A Virus
- **Sample Types:** Human blood /serum/ plasma (for quantitative detection) and stool (for qualitative detection)
- **Target Genes:** 5'NCR of HAV genome
- **LoD:** 87.7 IU/ml of Plasma (1 IU corresponds to 3.28 copies)
- **Sensitivity & specificity:** 100% (ICMR-NIV Validation)

Truenat[®] HEV

- **Intended Use:** Detection and diagnosis of infection with Hepatitis E Virus
- **Sample Types:** Human blood /serum/ plasma (quantitative detection) and stool (qualitative detection)
- **Target Genes:** *ORF 1* poly protein gene of HEV genome
- **LoD:** 516 copies/ml of HEV IVT RNA
- **Sensitivity & specificity:** 100% (ICMR-NIV Validation)

Truenat[®] Salmonella

- **Intended Use:** Qualitative detection and aids in the diagnosis of infection with *Salmonella*
- **Sample Types:** Human blood
- **Target Genes:** *pmp* gene (Plasmid maintenance protein) which is highly conserved and specific for the species *S. typhi* and *S. paratyphi*
- **LoD:** 1-2 CFU/ml of blood which can be detected after a patient blood sample is subjected to culture for a minimum of 5 hours

Truenat[®] LTS

- **Intended Use:** Semi quantitative detection of *Leptospira* and aids in the diagnosis of Leptospirosis
- **Sample Types:** Human Blood/Serum/Plasma, cerebrospinal fluid (CSF) and urine specimen
- **Target Genes:** Repetitive elements which are present across the genome
- **Sensitivity & specificity:** 96.43% and 97.5% respectively (ICMR validation)

Truenat[®] H1N1

- **Intended Use:** Semi quantitative detection and aids in the diagnosis of infection with H1N1 virus
- **Sample Types:** Human throat/nasal swab specimen
- **Target Genes:** Conserved sequences of swine influenza A virus (*swin(A)*) nucleocapsid gene, the H1N1 swine influenza A virus (*sw(H1)*) hemagglutinin gene and human *RNase P*
- **LoD:** Serial dilutions of RNA upto 35 Ct could be detected
- **Sensitivity & specificity:** 100% and 95.77% respectively (NIMHANS validation)

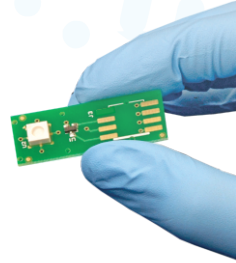
Truenat[®] Influenza A/B

- **Intended Use:** Semi quantitative detection and aids in the differential diagnosis of infection with Influenza A and/or Influenza B virus
- **Sample Types:** Human throat/nasal swab specimen
- **Target Genes:** *M* gene of Influenza A and *NSP* gene of Influenza B genome
- **LoD:** 810.15 copies/ml for Influenza A and 755.21 copies/ml for Influenza B

Truenat[®] Real Time micro PCR Chips

PRODUCTS AVAILABLE

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

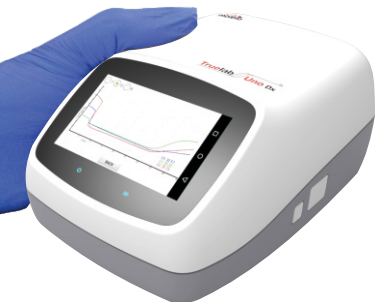


PRODUCTS COMING SOON

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

PRODUCTS PIPELINE

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



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MBRP0323V-06

ANY WHERE, ANY TIME, REAL TIME PCR