

ASSURED: Single diagnostic device for early stage detection of malaria, chikungunya & dengue from a single drop of blood

APPLICATION

The test kit can be used to detect malaria, chikungunya and dengue at the early symptomatic stages. This platform technology can be further used to detect other communicable and infectious diseases.

COMPANY NAME

Ameliorate Biotech Pvt Ltd

TECHNOLOGY READINESS LEVEL (TRL)

TRL: 7 (Under the final stages of clinical trials)

INTELLECTUAL PROPERTY

Granted Indian Patent No: 486367

FOUNDERS' NAME

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PROBLEM ADDRESSED

Malaria, Dengue and Chikungunya are important public health problems in India and pose an enormous burden to the health system. Controlling the vector remains the most effective method of preventing the diseases. Early detection of the disease is a key to prevent spread of the disease. However, current testing kits and procedure consumes a longer running time and at the same time is costly to detect these diseases. Furthermore, these kits are not capable of detecting the diseases at the early stages of development.

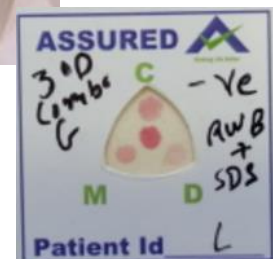
ABOUT THE TECHNOLOGY

Ameliorate's Product ASSURED which detects the three infection on the first day of symptom is unique as it will detect Co-infection by which patient gets to know if he is infected with any one of 3 diseases or multiple diseases and that too in the early stages of infection. This reduces the time to treat and cost drastically. This is the most drastic advantage gained. The problem of coinfection is something that has not been addressed well in the past, ASSURED aims to change that and save multiple people and families from the morbidity and mortality of these diseases. ASSURED will be very helpful for pathologists as this would save at least 20 mins every time for the above three tests not only that, they will be able to get more accurate results.

FUNDS RAISED/ACHIEVEMENTS

- BIRAC BIG Grant of INR 50 lakhs
- KBITS for Idea to PoC grant of INR 50 lakhs
- PRISM funding from DSIR of INR 20 lakhs
- Raised equity funding from LV foundation
- Received Infosys Aarohon Award in 2019
- DST NIDHI4COVID fund of INR 10 lakhs

PRODUCT IMAGE



USP

- First of its kind COMBO kit
- The antigens are indigenously made and are recombinant
- First antigen-based kit for chikungunya
- Completely equipment free RDT
- Able to detect Co-infection
- Device is eco friendly

END USERS/CUSTOMERS

- Pathology labs, Govt & Private Hospitals, Primary Health Care Centres, Pat Clinics