

Hand-held multi-analyte diagnostic device for COVID-19 monitoring

New Delhi, June 29: The coronavirus pandemic has caused an unprecedented disruption in the global economy. Several young entrepreneurs and innovators are trying to help overcome the situation by coming up with innovations that can potentially assist in managing it.

One such start-up is PathShodh HealthCare Pvt Ltd. It has come up with an innovation called “Anupath” which is a point of care hand-held multi-analyte diagnostic device. It can be a lifesaver in terms of monitoring COVID-19 patients particularly in hospitals and that too in intensive care units.

It is a portable, handheld diagnostic device which can measure multiple analytes in human blood and urine with an electrochemical test strip with a single drop of blood. The device is equipped with Bluetooth connectivity and can store a large set of data of approximately 50,000 records. The results are generated instantaneously and are accurate to the highest standards. The product uses an electromechanical biosensing platform and is unaffected by environmental variations. The device is very easy to use and requires no prior preparation.



Features:

- On the spot testing
- Separate disposable strip for each test
- Tiny sample drop
- No sample / reagent preparation required
- No special storage requirement for test strips
- Bluetooth Connectivity



The eight different tests measured by the device are:

- HbA1c (Glycated Hemoglobin)
- Glycated Albumin
- Blood Glucose
- Hemoglobin
- Serum Albumin
- Microalbuminuria
- Urine Creatinine
- Urine ACR

The product is priced at Rs. 50,000 and has already sold more than 45 units. This Make-in-India device will be useful in both national and international markets and can be a boon since it can provide an instantaneous diagnosis.

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