

**AGREEMENTS
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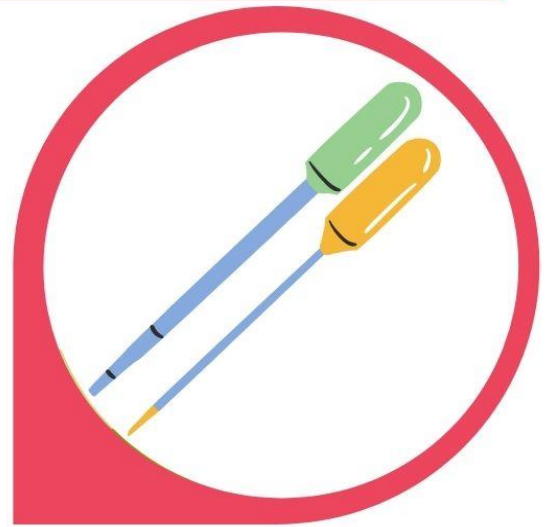
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**Technology Development Board
supports
M/s Medzome Life Sciencez Pvt.
Ltd. , New Delhi**
for
**Development and commercialization of
fluorescence-based Rapid COVID-19 Detection
Kit**

Medzome Life Sciencez Pvt Ltd is a manufacturing unit for rapid diagnostic devices. The Company envisages transforming their existing colloidal gold-based diagnostic products into more sensitive fluorescence-based products.



The routinely used COVID-19 IgG/IgM Rapid Detection Kit is a lateral flow chromatographic immunoassay. The antibody-based lateral flow detection of COVID-19 is visualized by colloidal gold-nano particles, which are not very sensitive. In order to make the test more sensitive, the Company will be using fluorescence tags. Here, the detecting antigen will be labeled with a fluorescent dye and a fluorescence reader will be used to detect the dye. The fluorescence-based diagnostic kit will be several fold sensitive than the lateral flow chromatographic kits.

With financial assistance from TDB, the company plans to manufacture fluorescence-based Rapid COVID-19 Detection Kits. These kits can be used for the rapid screening of COVID-19 carriers (symptomatic or asymptomatic), in hospitals, clinics, and test laboratories at a higher sensitivity than what is available at present. This test does not require well-established laboratory facilities or technical personnel and is therefore expected to be cost effective.

