



राष्ट्रीय पशु जैव प्रौद्योगिकी संस्थान
National Institute of Animal Biotechnology
(An Autonomous Institute of the Department of Biotechnology,
Ministry of Science & Technology, Govt. of India)

Expression of Interest (EOI)

Expression of Interest is invited to transfer the following technology:

Naked eye detection of subclinical and clinical mastitis using nanoadsorbed paper-kit comprising magnetic nanoparticles

About the invention:

The present technology is aimed to develop a method for detection of subclinical and clinical mastitis and assessment of microbial quality of milk using magnetic nanoparticles, without the need of any high end equipment which can be visualized by pouring them onto the aggregation visualization module (AVM-made up specially designed membrane packed in a cassette). Results can be obtained within 10 minutes and a quick screening of several samples can be done with 200 times higher limit of detection as compared to “California Mastitis Test”. The overall cost to perform one test is less than US \$ 0.50/test. The materials used to prepare the test have no known toxicity and can be stored at room temperature. The test may find utility in routine screening besides barn-side diagnosis.

Interested firms/parties/companies may send their interest along with the brief profile of the Company/Industry addressed to Senior Manager, NIAB (admin@niab.org.in) with a copy to pankajsuman@niab.org.in

The last date for submission of Expression of Interest is 18 September 2020 by 5 PM.