

Stool NAAT for Pediatric TB detection (Stool NAAT for Pediatric TB)

Domain: Diagnostic (Assay/Kit)

About Technology: The technology involves a novel in-house stool concentration protocol optimized for pediatric samples, enabling the detection of *Mycobacterium tuberculosis* (MTB) and drug resistance markers through Nucleic Acid Amplification Tests (NAAT), Line Probe Assay (LPA), and Xpert Ultra, as well as phenotypic tests such as smear microscopy and culture methods.

Intended Use: Detection of MTB and drug resistance in pediatric stool samples

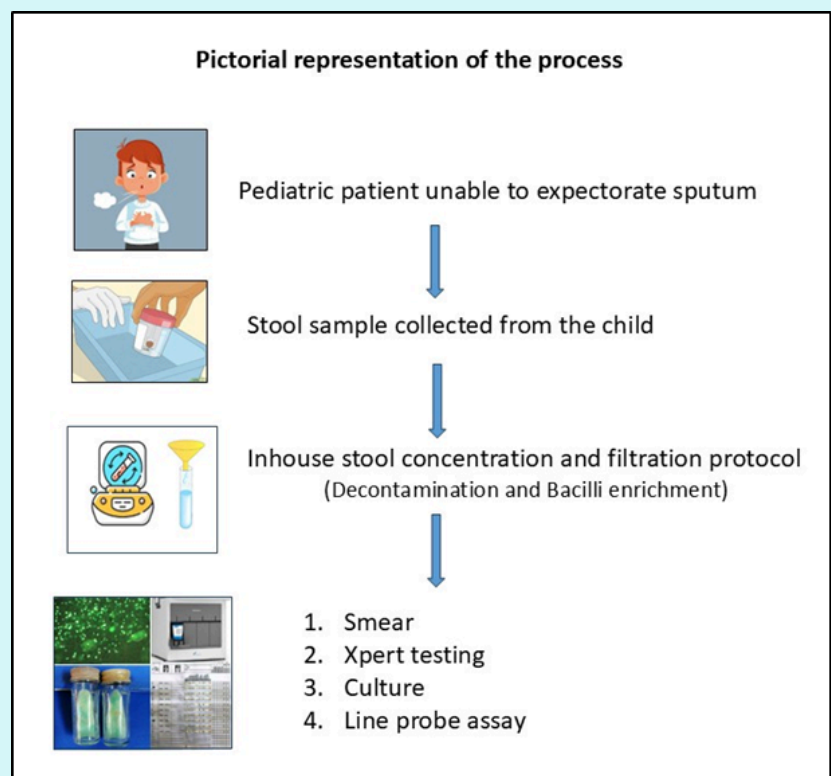
Advantages:

- Non-invasive method of MTB detection and its drug resistance in pediatric stool samples

Development Status: Pilot study completed and large-scale study ongoing

Institute(s): ICMR-National Institute for Research in Tuberculosis (NIRT)

Inventor(s): Dr. Priya Rajendran



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