



Indian Council of Medical Research
Department of Health Research
Ministry of Health & Family Welfare, Government of India

Division of Epidemiology and Communicable Diseases

Call for Proposals for diagnostics/tests applicable to AMR especially for primary and acute care settings

Antimicrobial resistance (AMR) is one of the major public health priorities in India. Rapid diagnostics to facilitate the early pathogen detection and antimicrobial susceptibility testing (AMST) can equip healthcare professionals to understand the type of infection affecting the patient, analyse its scale and provide appropriate treatment in a timely manner. However, such reliable and quality validated diagnostics are lacking both in India and globally.

ICMR's AMR diagnostic taskforce invites proposals from the innovators/developers who have developed a diagnostic that can facilitate timely pathogen detection and AMST to undertake systematic validation of the test. The diagnostics test should have crossed the proof of concept stage and should be ready for DCGI regulatory trials. The test should address the priority areas/pathogens listed below.

I. Interested Innovators or developers are invited to submit a concept proposals pertaining to the following priority areas:

1. AMR diagnostics related to following priority pathogens:

- i. Carbapenem resistant organisms
 - Enterobacteriaceae: *Escherichia coli*, *Enterobacter spp.*, *Klebsiella spp.*,
 - *Acinetobacter baumannii*,
 - *Pseudomonas aeruginosa*,
- ii. Colistin resistant *Klebsiella*;
- iii. Methicillin resistant *Staphylococcus aureus* (MRSA);
- iv. Vancomycin Resistant Enterococci (VRE): *Enterococcus faecium*;
- v. *Candida auris*
- vi. Fluoroquinolone-resistant *Salmonella Typhi*
- vii. Penicillin non-susceptible *Streptococcus pneumoniae*

2. AMR diagnostics related to following high priority syndromes/conditions:

- Differentiating bacterial from viral infections (including biomarkers)
- Urinary tract infections(UTI)
- Sepsis
- Respiratory tract infections (URTI and LRTI)
- Enteric fever
- Acute febrile illnesses
- Typhoid



II. Application format for submitting the concept proposals on product/assay/test

S. No.	Characteristics/Parameters
1	Name of Company/ Institution (<i>Details of the developer</i>)
2	Name of Test/technology
3	Principle (technology) and novelty of developed diagnostic
4	Evidence or Stage of development
5	Technology readiness level (<i>Present status of technology for use</i>)
6	Whether internal/external validation done
7	Whether point of care or needs sample transportation
8	Whether each test to be done individually or in a batch
9	Number of test that can be done in a batch
10	Time taken from sample collection to results
11	Cost per test/per unit cost
12	Initial fixed cost
13	Expected time taken for commercialization
14	Specificity/Sensitivity
15	Specimen that can be tested
16	Targeted pathogen (s)
17	Antibiotics panel used
18	Analytical Parameter tested
19	Testing population, sample size/design for testing analytical parameters
20	Reference method/Gold standard used
21	Sample volume
22	Storage and Transport
23	Temperature and Operating conditions
24	Calibration frequency
25	Sensitivity to sample variation
26	Stability/ shelf life of diagnostic (if tested)
27	Any major error or minor error
28	Intended use or beneficiary of diagnostic test
29	Any IPR/copyright issues
30	Whether developed diagnostic available in public domain in any form? (<i>e. g. published, controlled distribution, patent etc.</i>)
31	Any association or partnership with industry or governmental organization for diagnostic development (<i>detail the role</i>)

III. Eligibility

This call is open for both the public and private innovators from India such that the diagnostics/tests should be developed and manufactured only in India.

The concept proposals are expected to adhere to the following instructions:

1. The proposals must address the AMR diagnostics and it should not be in research phase.
2. It should be innovative, indigenous and feasible for the Indian healthcare settings.
3. Only proposals that are ready for implementation in the form of deliverables and point of care technologies will be considered.



IV. How to apply

The applicants should submit the proposal through e-mail to icmr.amrdx@gmail.com
The proposals should be submitted in above mentioned format only.

V. Important Timelines

The **last date for submission** of concept proposals is 15-02-2019.

For query, contact: icmr.amrdx@gmail.com

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