



MESA Community of Practice on *pfhrp2/3* gene deletions



ASTMH side meeting - 18 October 2023 (Chicago, USA)

 [Read meeting report](#)

Opportunities and challenges to respond to the growing malaria diagnosis threat

75 participants from academia, national malaria programs, multilateral organizations, and RDT manufacturing companies

Meeting highlights



World Health Organization

- WHO tracking tools: Malaria Threats Map & Surveillance Tracker Dashboard
- Template protocol modification will integrate risk prediction and study design tools



SAVE LIVES FASTER

- Main challenges in the malaria RDT market, especially for PfLDH detection tests
- Potential solutions from both demand & supply side

PATH



- Novel PfLDH-based tests showed improvement in minimizing false negatives
- Combination RDTs (HRP2 and improved PfLDH assays) are the most effective strategy

FIND 
Diagnosis for all

- Outlined their role in RDT field validations and supporting product developers for regulatory approvals

 **Abbott**

Rapigen

 **SD BIOSENSOR**

- Showcased their advancements and updates in the development of alternative RDTs featuring HRP2 and PfLDH detection



- Presented preliminary results of in-country evaluations of new LDH-based RDTs.

Discussion: Funding challenges

Resource-intensive field evaluations, lack of standardized control panels, and difficult quest for new biomarkers.