

Expanding program of diagnostics for Tuberculosis using PURE-TB-LAMP in Republic of Zambia

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EIKEN CHEMICAL CO., LTD.
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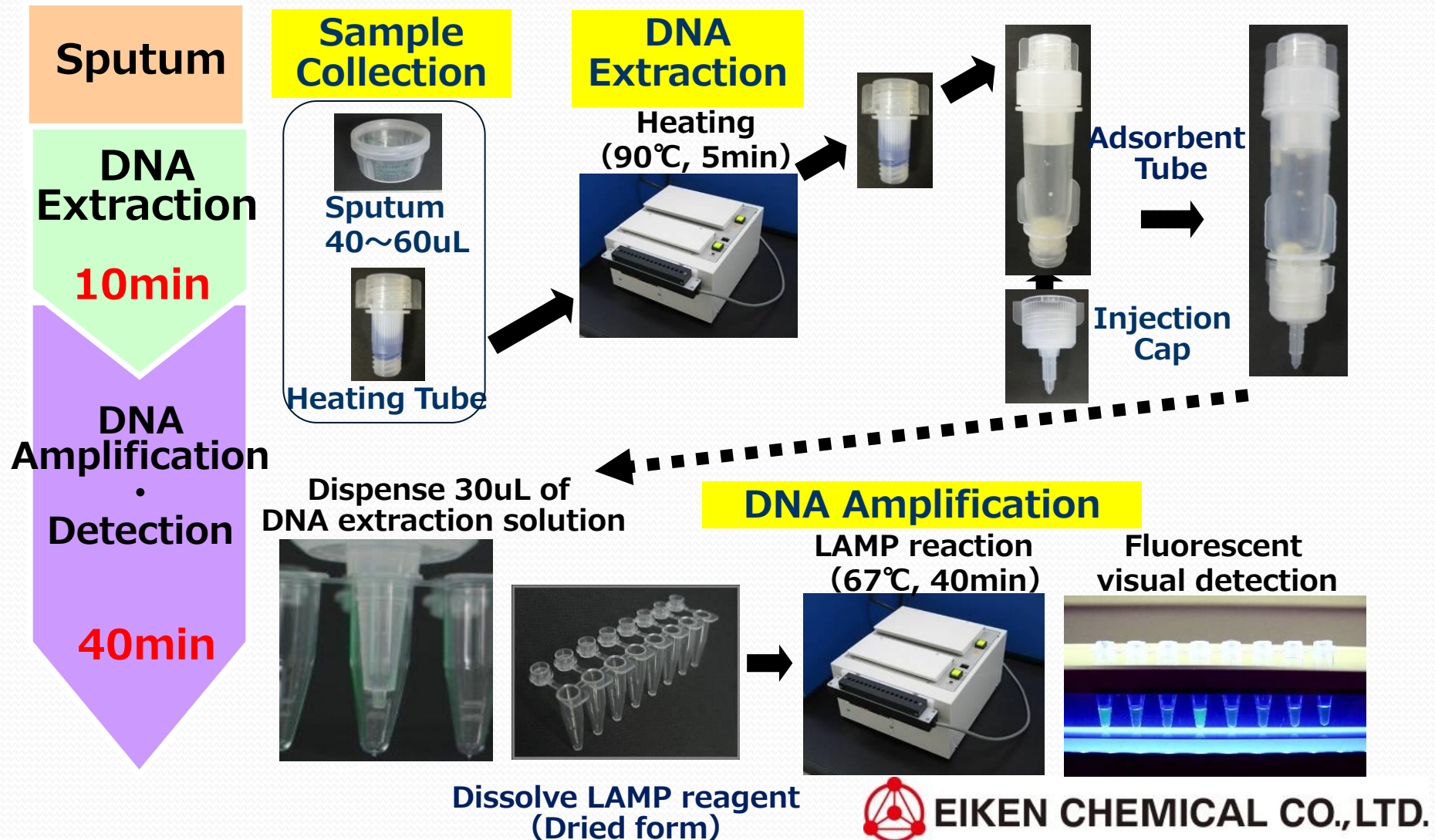
20-22 August 2025
PACIFICO YOKOHAMA



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1.About PURE-TB-LAMP

MTBC diagnostic method integrating rapid DNA extraction with genetic amplification



2. Title of Project :

Expanding program of diagnostics for Tuberculosis using PURE-TB-LAMP in Republic of Zambia (2018~2021)

Background

- Zambia ranks among the top 30 high-burden countries for tuberculosis(TB).
- Limited access to high-sensitivity molecular test, Low detection rate on Smear test.
- PURE-TB-LAMP Performance: detection rate 22.4% (Smear test 14.6%)
Diagnostic tools must be sensitive, simple, and rapid.
PURE-TB-LAMP meets these criteria and for improving TB detection.
- Endorsed by **the WHO in 2016**, also included in the 2024 WHO TB diagnostic guidelines

Purpose

- **Diagnostic method developed in Japan**, is being promoted for use in Zambia. And contribution to Zambia's national TB program.
- Local professionals have been empowered, supporting the development of sustainable and locally-led healthcare systems.



3. Voices from project participants

- **University of Teaching Hospital TB Lab**

1. Dr. Solo as Head of TB laboratory
2. Mr. Mwanza as TB Trainer

- **Reference Laboratory of TB**

3. Ms. Mutende as Head of laboratory



Thank you very much for your attention



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