

**Target Countries :**

**Course No. :** J1804191

**No. :** 1884429

**Sector :** Health/Tuberculosis

**Sub-Sector :**

**Language :** English

**Outline**

TB is still one of the critical health problems in the world. In response to "Stop TB Strategy", the new global strategy "The End TB Strategy" and "Revised Stop TB Japan Action Plan", participants will acquire knowledge and skills as well as management skills for laboratory managers through the training, aiming at improving TB case detection with accurate examination and rapid diagnosis.

Objective/Outcome	Target Organization / Group	
<p><b>【Objective】</b>                      Participants acquire knowledge and skills on culture, DST, and new diagnostic techniques through hands on training, and develop their management skills for laboratory managers in order to strengthen rapid diagnosis.</p> <p><b>【Outcome】</b>                      1. To be able to explain TB control and bacteriology of TB                      2. To understand laboratory management, laboratory network, and train technicians about laboratory works                      3. To be able to practice TB culture and DST                      4. To be able to deal with examination of TB-HIV and MDR-TB</p>	<p><b>【Target Organization】</b>                      National Tuberculosis Reference Laboratory or Provincial / Regional Tuberculosis Reference Laboratory</p> <p><b>【Target Group】</b>                      1. senior technician, medical doctor responsible for TB laboratory management in the province/country,                      2. have 3 year experiences in TB laboratory, and be determined to continue the duties more than 3 years after returning the country                      3. university graduate or equivalent                      4. not have attended similar course on TB laboratory management</p>	
<p><b>Contents</b></p> <p>1. Global TB problem, TB epidemiology, TB immunology, Anti-tuberculosis drug, Smear examination (ZN: direct and concentration, Fluorescence), Microscope and its maintenance, Latest TB bacteriological examination, Prevalence survey</p> <p>2. Training method for TB microscopy, Micro teaching, PCM, Logistics, Reporting and recording, QA for TB microscopy, Biosafety, Smear assessment, QA for culture and DST, Strain preservation and transport, Survey for tuberculosis, Role of laboratory in Health system toward UHC, IS015189.</p> <p>3. Solid culture, Liquid culture, Solid DST indirect, Liquid DST, Identification tests, Culture and DST results observation, Pyrazinamidase test</p> <p>4. DST for 2nd line drugs, Latest TB examination, Line probe assay, LAMP, GeneXpert, GeneXpert algorithm and PMDT, TB/HIV. Molecular Biology.</p>	<p><b>Course Period</b></p>	<p>2018/8~2018/9</p>
	<p><b>Department in Charge</b></p>	<p>Human Development Department</p>
	<p><b>JICA Center</b></p>	<p>JICA Tokyo (Human Dev.)</p>
	<p><b>Cooperation Period</b></p>	<p>2016~2018</p>
<p><b>Implementing Partner</b></p>	<p>The Research Institute of Tuberculosis</p>	
<p><b>Remarks and Website</b></p>		