

Standard Operating Procedure (SOP) Quality Assurance of AFB Microscopy

(Ziehl-Neelsen & Fluorescence Methods)

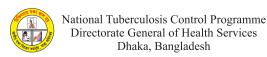
Second Edition October 2013















Standard Operating Procedure (SOP) for Quality Assurance of AFB Microscopy

(Ziehl-Neelsen & Fluorescence Methods)

Second Edition October 2013





 $\ \ \, \mathbb C$ Copyright 2013 by the National Tuberculosis Control Programme (NTP), Bangladesh

Design and Printed by Real Printing and Advertising K.R Plaza, 31 Purana Paltan Dhaka-1000, Bangladesh

Contents

Abl	get audience oreviations ossary of Terms	v vi vii
1.	Introduction	1
2.	Objectives of Quality Assurance	2
3.	Overview of Quality Assurance 3.1. Quality Control (QC) 3.2. External Quality Assessment (EQA) 3.3. Quality Improvement (QI)	3 3 3 4
4.	Responsibilities of personnel's of EQA Centres 4.1. Blinded Rechecking 4.2. Preparation of Reagents for the Microscopy Centres 4.3. On-Site Evaluation/Supervision 4.4. Training 4.5. Quality Improvement(QI)	5 5 6 6 7 7
5. l	nternal Quality Control (IQC) 5.1. Quality Control of Stored Reagents 5.2. Keeping of Reagents 5.3. Contamination Checking 5.4. Checking of Microscopes 5.5. Checking Cleanlines of the Laboratory 5.6. Checking Records and Compilation of Monthly Data 5.7. Reagents Preparation	8 8 8 8 10 10
6.	 Blinded Rechecking 6.1. Principles of Blinded Rechecking 6.2. Rechecking Sample Size 6.3. The Rechecking Procedures 6.4. Reporting of The Performance of the Microscopy Centres 20 6.5. Analysis And Interpretation of Rechecking Results (For the EQA Coordinators and the NTP) 	11 11 11 12
7.	On Site Supervision/Evaluation	26
8.	Quality Improvement (QI)	27
Ref	erences	28
Anı	nex Annex 1 : List of EQA Centres Annex 2 : Forms and Reports for EQA Rechecking Annex 3 : Laboratory Supervision (QA) Checklist Annex 4 : Contributer	31 34-38 39-41 42