

National Laboratory Quality Assurance: Hematology, Chemistry, CD4 and Malaria Testing

SUNDAY, 8 August 2004 1630 – 1800	Registration
MONDAY, 9 August 2004	Chairperson Mrs. G. Kahenya
0800-0845	<ul style="list-style-type: none"> ▪ Welcome Remarks - Mrs. G. Kahenya ▪ Official Opening by NOA Chairperson Dr. Kafwembe ▪ Workshop objectives -Mrs. F. Mwamba ▪ Introduction of Faculty -Dr. Bereneice Madison ▪ Introduction of participants and workshop expectations
0845-0915	Implementation of Anti-retroviral Treatment in Zambia – Dr. V. Mtonga
0915-1000	Value of laboratory tests on HIV care and treatment- Dr. F. Kasalo
1000-1030	TEA BREAK
1030-1115	Introduction-Principles of chemistry and hematology analyzers
1115-1215	Quality control and operation of hematology and chemistry analyzers
1215-1300	Hematology Problems and Solutions
1300-1400	LUNCH BREAK
1400-1515	Hematology Problems and Automation - case studies and discussion
1515-1530	TEA BREAK
1530-1730	Weigh balances , pH meter and reagent preparation-Lab exercises
TUESDAY, 10 August 2004	Chairperson Mrs. F. Mwamba
0800-0900	Chemistry analyzers, operation and quality control
0900-1000	Chemistry problems and solutions
1000-1030	TEA BREAK
1030-1130	Chemistry problem solving- case studies and discussion
1130-1230	Documenting and evaluating quality control results
1230-1400	LUNCH BREAK
1400-1515	Use and care of microscopes, smear preparation (thick and thin films)
1515-1530	TEA BREAK
1530-1700	Use and calibration of micropipettes
WEDNESDAY, 11 August 2004	Chairperson Dr Madison
0800-0900	Introduction
0900-1000	Principles of Flow Cytometry, Immunophenotyping and CD4 Enumeration
1000-1030	TEA BREAK
1030-1130	Safety protocol and sample processing
1130-1230	Principles of FACS Count Sample Prep and Operation
1230-1400	LUNCH BREAK
1400-1515	FACS Count staining protocol- hands on activity
1515-1530	TEA BREAK
1530-1700	FACS Count operation protocol- hands on activity
THURSDAY, 12 August 2004	Chairperson Dr. Kasolo
0800-0900	Review and discussion
0900-1000	CD4 data reporting, quality control and quality assurance
1000-1030	TEA BREAK
1030-1130	Reference ranges and clinical training
1130-1230	Question and answer session and final review
1230-1400	LUNCH BREAK
1400-1515	Laboratory exercises- staining and reading malaria smears
1515-1530	TEA BREAK
1530-1700	Calibration of centrifuges and documentation of preventive maintenance
FRIDAY, 13 August 2004	Chairperson Mr. C. Chisala
0800-0900	Monitoring quality control and preventive maintenance, case studies
0900-1000	External quality assessment in chemistry, hematology, CD4 testing and malaria
1000-1030	TEA BREAK
1030-1230	Plans for assessment of national quality assurance activities
1230-1400	LUNCH BREAK
1400-1515	Schedule of National QA activities
1515-1530	TEA BREAK
1530-1700	Closing ceremony
SATURDAY, 14 August 2004	Departure