



CERTIFICATE OF COMPLETION



This is to certify that

**NO: 21-
24**

KHAMALA BEATRICE NASIMIYU

Has successfully completed a training in

**LQMS: LABORATORY QUALITY MANAGEMENT SYSTEM
(3 CEUS)**

at the National Tuberculosis Reference Laboratory Kampala - Uganda

From 18th to 22nd October 2021 and attained a Certificate of



Attendance



Achievement



Prof. Moses Joloba
Laboratory Director, Uganda SRL

(See overleaf for training modules and certification criteria)

Training Modules

- Introduction to LQMS
- Facilities and Safety
- Organization
- Personnel
- Documents and Records
- Occurrence management
- Purchasing and Inventory
- Equipment
- Process control and sample management
- Introduction to quality control
- Process control
- Assessment - EQA
- Assessment norms and accreditation
- Customer service
- Process improvement
- Information management

Certification Criteria

Attendance: Participant obtained <80% from the training assessments

Achievement: Participant obtained $\geq 80\%$ from the training assessments

OUR ADDRESS

National Tuberculosis Reference Laboratory

Plot 1062-106 Butabika Road, Luzira; Opp. Butabika National Mental Referral Hospital;

P.O. Box 16041, Wandegaya, Kampala, Uganda. Website: www.ntrl.or.ug



CERTIFICATE OF COMPLETION



This is to certify that

**NO: 21-
25**

MAHAMOUD MOHAMED HUSSEIN

Has successfully completed a training in

**EQA: EXTERNAL QUALITY ASSESSMENT
(5 CEUS)**

at the National Tuberculosis Reference Laboratory Kampala - Uganda

From 18th to 29th October 2021 and attained a Certificate of



Attendance



Achievement



Prof. Moses Joloba
Laboratory Director, Uganda SRL

(See overleaf for training modules and certification criteria)

Training Modules

- WHO Recommendations for Tuberculosis Diagnosis and Algorithm
- External Quality Assurance (EQA) Overview
- Background and Principles and Rechecking
- Sampling and Rechecking Procedures
- Identification and Management of Discordant
- Data Compilation, Analysis and Reporting of AFB Laboratory Performance (Manual and Computerized)
- Interpretation of Rechecking Results and Feedback
- Compiling Rechecking EQA Feedback Reports
- Overview of On-site supervision including details about How, Who and When
- On-site Supervision Checklist types and examples
- Comprehensive TB Supervision Tool (Lab Network Tool)

Certification Criteria

Attendance: Participant obtained <80% from the training assessments

Achievement: Participant obtained $\geq 80\%$ from the training assessments

OUR ADDRESS

National Tuberculosis Reference Laboratory

Plot 1062-106 Butabika Road, Luzira; Opp. Butabika National Mental Referral Hospital;

P.O. Box 16041, Wandegaya, Kampala, Uganda. Website: www.ntnl.or.ug



CERTIFICATE OF COMPLETION



This is to certify that

**NO: 21-
26**

SHAFIGI HASSAN ADEN

Has successfully completed a training in

**EQA: EXTERNAL QUALITY ASSESSMENT
(5 CEUS)**

at the National Tuberculosis Reference Laboratory Kampala - Uganda

From 18th to 29th October 2021 and attained a Certificate of



Attendance



Achievement



Prof. Moses Joloba
Laboratory Director, Uganda SRL

(See overleaf for training modules and certification criteria)

Training Modules

- WHO Recommendations for Tuberculosis Diagnosis and Algorithm
- External Quality Assurance (EQA) Overview
- Background and Principles and Rechecking
- Sampling and Rechecking Procedures
- Identification and Management of Discordant
- Data Compilation, Analysis and Reporting of AFB Laboratory Performance (Manual and Computerized)
- Interpretation of Rechecking Results and Feedback
- Compiling Rechecking EQA Feedback Reports
- Overview of On-site supervision including details about How, Who and When
- On-site Supervision Checklist types and examples
- Comprehensive TB Supervision Tool (Lab Network Tool)

Certification Criteria

Attendance: Participant obtained <80% from the training assessments

Achievement: Participant obtained $\geq 80\%$ from the training assessments

OUR ADDRESS

National Tuberculosis Reference Laboratory

Plot 1062-106 Butabika Road, Luzira; Opp. Butabika National Mental Referral Hospital;

P.O. Box 16041, Wandegaya, Kampala, Uganda. Website: www.ntnl.or.ug



CERTIFICATE OF COMPLETION



This is to certify that

**NO: 21-
27**

YAQUB ALI MOALIM

Has successfully completed a training in

**EQA: EXTERNAL QUALITY ASSESSMENT
(5 CEUS)**

at the National Tuberculosis Reference Laboratory Kampala - Uganda

From 18th to 29th October 2021 and attained a Certificate of



Attendance



Achievement



Prof. Moses Joloba
Laboratory Director, Uganda SRL

(See overleaf for training modules and certification criteria)

Training Modules

- WHO Recommendations for Tuberculosis Diagnosis and Algorithm
- External Quality Assurance (EQA) Overview
- Background and Principles and Rechecking
- Sampling and Rechecking Procedures
- Identification and Management of Discordant
- Data Compilation, Analysis and Reporting of AFB Laboratory Performance (Manual and Computerized)
- Interpretation of Rechecking Results and Feedback
- Compiling Rechecking EQA Feedback Reports
- Overview of On-site supervision including details about How, Who and When
- On-site Supervision Checklist types and examples
- Comprehensive TB Supervision Tool (Lab Network Tool)

Certification Criteria

Attendance: Participant obtained <80% from the training assessments

Achievement: Participant obtained $\geq 80\%$ from the training assessments

OUR ADDRESS

National Tuberculosis Reference Laboratory

Plot 1062-106 Butabika Road, Luzira; Opp. Butabika National Mental Referral Hospital;

P.O. Box 16041, Wandegaya, Kampala, Uganda. Website: www.ntnl.or.ug



CERTIFICATE OF COMPLETION



This is to certify that

**NO: 21-
28**

ABDIAZIZ AWEIS MAYOOW

Has successfully completed a training in

**EQA: EXTERNAL QUALITY ASSESSMENT
(5 CEUS)**

at the National Tuberculosis Reference Laboratory Kampala - Uganda

From 18th to 29th October 2021 and attained a Certificate of



Attendance



Achievement



Prof. Moses Joloba
Laboratory Director, Uganda SRL

(See overleaf for training modules and certification criteria)

Training Modules

- WHO Recommendations for Tuberculosis Diagnosis and Algorithm
- External Quality Assurance (EQA) Overview
- Background and Principles and Rechecking
- Sampling and Rechecking Procedures
- Identification and Management of Discordant
- Data Compilation, Analysis and Reporting of AFB Laboratory Performance (Manual and Computerized)
- Interpretation of Rechecking Results and Feedback
- Compiling Rechecking EQA Feedback Reports
- Overview of On-site supervision including details about How, Who and When
- On-site Supervision Checklist types and examples
- Comprehensive TB Supervision Tool (Lab Network Tool)

Certification Criteria

Attendance: Participant obtained <80% from the training assessments

Achievement: Participant obtained $\geq 80\%$ from the training assessments

OUR ADDRESS

National Tuberculosis Reference Laboratory

Plot 1062-106 Butabika Road, Luzira; Opp. Butabika National Mental Referral Hospital;

P.O. Box 16041, Wandegaya, Kampala, Uganda. Website: www.ntnl.or.ug



CERTIFICATE OF COMPLETION



This is to certify that

**NO: 21-
29**

ABDIYADIR MOHAMED YUUSUF

Has successfully completed a training in

**EQA: EXTERNAL QUALITY ASSESSMENT
(5 CEUS)**

at the National Tuberculosis Reference Laboratory Kampala - Uganda

From 18th to 29th October 2021 and attained a Certificate of



Attendance



Achievement



Prof. Moses Joloba
Laboratory Director, Uganda SRL

(See overleaf for training modules and certification criteria)

Training Modules

- WHO Recommendations for Tuberculosis Diagnosis and Algorithm
- External Quality Assurance (EQA) Overview
- Background and Principles and Rechecking
- Sampling and Rechecking Procedures
- Identification and Management of Discordant
- Data Compilation, Analysis and Reporting of AFB Laboratory Performance (Manual and Computerized)
- Interpretation of Rechecking Results and Feedback
- Compiling Rechecking EQA Feedback Reports
- Overview of On-site supervision including details about How, Who and When
- On-site Supervision Checklist types and examples
- Comprehensive TB Supervision Tool (Lab Network Tool)

Certification Criteria

Attendance: Participant obtained <80% from the training assessments

Achievement: Participant obtained $\geq 80\%$ from the training assessments

OUR ADDRESS

National Tuberculosis Reference Laboratory

Plot 1062-106 Butabika Road, Luzira; Opp. Butabika National Mental Referral Hospital;

P.O. Box 16041, Wandegaya, Kampala, Uganda. Website: www.ntnl.or.ug



CERTIFICATE OF COMPLETION



This is to certify that

**NO: 21-
30**

AYAN ABDULLAHI ALI

Has successfully completed a training in

**EQA: EXTERNAL QUALITY ASSESSMENT
(5 CEUS)**

at the National Tuberculosis Reference Laboratory Kampala - Uganda

From 18th to 29th October 2021 and attained a Certificate of



Attendance



Achievement



Prof. Moses Joloba
Laboratory Director, Uganda SRL

(See overleaf for training modules and certification criteria)

Training Modules

- WHO Recommendations for Tuberculosis Diagnosis and Algorithm
- External Quality Assurance (EQA) Overview
- Background and Principles and Rechecking
- Sampling and Rechecking Procedures
- Identification and Management of Discordant
- Data Compilation, Analysis and Reporting of AFB Laboratory Performance (Manual and Computerized)
- Interpretation of Rechecking Results and Feedback
- Compiling Rechecking EQA Feedback Reports
- Overview of On-site supervision including details about How, Who and When
- On-site Supervision Checklist types and examples
- Comprehensive TB Supervision Tool (Lab Network Tool)

Certification Criteria

Attendance: Participant obtained <80% from the training assessments

Achievement: Participant obtained $\geq 80\%$ from the training assessments

OUR ADDRESS

National Tuberculosis Reference Laboratory

Plot 1062-106 Butabika Road, Luzira; Opp. Butabika National Mental Referral Hospital;

P.O. Box 16041, Wandegaya, Kampala, Uganda. Website: www.ntnl.or.ug



CERTIFICATE OF COMPLETION



This is to certify that

**NO: 21-
31**

FATUMA JEILANI HASSAN

Has successfully completed a training in

**EQA: EXTERNAL QUALITY ASSESSMENT
(5 CEUS)**

at the National Tuberculosis Reference Laboratory Kampala - Uganda

From 18th to 29th October 2021 and attained a Certificate of



Attendance



Achievement



Prof. Moses Joloba
Laboratory Director, Uganda SRL

(See overleaf for training modules and certification criteria)

Training Modules

- WHO Recommendations for Tuberculosis Diagnosis and Algorithm
- External Quality Assurance (EQA) Overview
- Background and Principles and Rechecking
- Sampling and Rechecking Procedures
- Identification and Management of Discordant
- Data Compilation, Analysis and Reporting of AFB Laboratory Performance (Manual and Computerized)
- Interpretation of Rechecking Results and Feedback
- Compiling Rechecking EQA Feedback Reports
- Overview of On-site supervision including details about How, Who and When
- On-site Supervision Checklist types and examples
- Comprehensive TB Supervision Tool (Lab Network Tool)

Certification Criteria

Attendance: Participant obtained <80% from the training assessments

Achievement: Participant obtained $\geq 80\%$ from the training assessments

OUR ADDRESS

National Tuberculosis Reference Laboratory

Plot 1062-106 Butabika Road, Luzira; Opp. Butabika National Mental Referral Hospital;

P.O. Box 16041, Wandegaya, Kampala, Uganda. Website: www.ntnl.or.ug



CERTIFICATE OF COMPLETION



This is to certify that

**NO: 21-
32**

AHMED ABDULLAHI HASSAN

Has successfully completed a training in

**EQA: EXTERNAL QUALITY ASSESSMENT
(5 CEUS)**

at the National Tuberculosis Reference Laboratory Kampala - Uganda

From 18th to 29th October 2021 and attained a Certificate of



Attendance



Achievement



Prof. Moses Joloba
Laboratory Director, Uganda SRL

(See overleaf for training modules and certification criteria)

Training Modules

- WHO Recommendations for Tuberculosis Diagnosis and Algorithm
- External Quality Assurance (EQA) Overview
- Background and Principles and Rechecking
- Sampling and Rechecking Procedures
- Identification and Management of Discordant
- Data Compilation, Analysis and Reporting of AFB Laboratory Performance (Manual and Computerized)
- Interpretation of Rechecking Results and Feedback
- Compiling Rechecking EQA Feedback Reports
- Overview of On-site supervision including details about How, Who and When
- On-site Supervision Checklist types and examples
- Comprehensive TB Supervision Tool (Lab Network Tool)

Certification Criteria

Attendance: Participant obtained <80% from the training assessments

Achievement: Participant obtained $\geq 80\%$ from the training assessments

OUR ADDRESS

National Tuberculosis Reference Laboratory

Plot 1062-106 Butabika Road, Luzira; Opp. Butabika National Mental Referral Hospital;

P.O. Box 16041, Wandegaya, Kampala, Uganda. Website: www.ntnl.or.ug