



NORTHERN UGANDA MALARIA, HIV/AIDS AND TUBERCULOSIS (NUMAT) PROGRAMME

LABORATORY PERFORMANCE MONITORING TOOL



Date:/...../.....

Name of health unit: District:

Background

A cooperative agreement Between John Snow, Inc and USAID for the NUMAT Project was signed on 15 August 2006. The NUMAT project is implemented by a consortium of three partners: John Snow Incorporated (JSI) as prime contractor with World Vision (WV) and AIDS Information Center (AIC). The project supports the 9 districts of the Acholi and Lango regions (Gulu, Pader, Amuru, Kitgum, Lira, Amolatar, Dokolo, Apac, and Oyam). One of the objectives is to strengthen the capacity of laboratories to support HIV/TB and malaria service delivery. This will be through building capacities of laboratory personnel, infrastructure development and re equipping the labs. In particular NUMAT will be supporting in service training of laboratory personnel in all the nine districts, provide support supervision for trained lab personnel, help the districts to set up internal and external quality control systems.

Instructions to the supervisor:

1. Obtain the clinician’s comment about laboratory services before visiting the laboratory.
2. Score the performance as ‘Acceptable – ‘A’ when all the steps/ critical issues are performed correctly or ‘Not Acceptable- ‘N’ if the steps/critical issues are not performed correctly.
3. Give an immediate feed back and remedial training to address critical gaps identified during the support supervision.
4. Give a written feed back as soon as possible –it should be before the next round of support supervision.

General Information (To be filled by health unit in-charge)

Name and cadre of health unit in-charge:

Cadres and numbers of other staff in the health unit

Medical Officers: Clinical Officers: Nurses and Midwives:

Clinician’s comment about laboratory services in the facility:

.....

.....

.....

.....

.....

.....

.....

(To be filled in the laboratory)

Name and cadre of Laboratory in-charge:

Cadres & numbers of other laboratory staff:

.....
.....
.....
.....

Good Laboratory Practice

Laboratory set up:

Space (est. total area)

Essential amenities eg water, power etc

.....
.....
.....
.....
.....

Space utilization

.....
.....
.....

Safety precautions:

1. Use of appropriate protective wear

Comments/actions

.....
.....
.....

2. Disinfection procedures

Comments/actions

.....

.....
.....
.....

3. Health care waste management

- Segregation using standard colour codes
- Packaging of health care waste
- Treatment and final disposal of waste

Comments/actions

.....
.....
.....
.....
.....
.....
.....
.....

4. Storage of laboratory reagents, chemicals

Comments/actions

.....
.....
.....
.....

Records:

1. Patients' records

Comments/actions

.....
.....
.....
.....

2. Inventory

Comments/actions

.....
.....
.....

3. Stock cards

Comments/actions

.....
.....
.....

4. Quality control

Comments/actions

.....
.....

5. Equipment maintenance

Comments/actions

.....
.....
.....

Equipment

1. Presence and functionality of the following equipment;

a. Microscope

b. Centrifuge.....

c. Refrigerator

d. Heamoglobin Estimation equipment

e. Improved Neubauer counting chamber

Supplies

1. Stock levels

Comments/actions

.....
.....
.....

TB laboratory Diagnosis

Sputum containers

Comments/actions

.....
.....

Specimen reception - labeling and registering

Comments/actions

.....
.....

Slides for smear preparation

Comments/actions

.....
.....

Smear preparation

Comments/actions

.....
Quality of non stained sputum smears

Comments/actions
.....
.....

ZN Staining procedure

Comments/actions
.....
.....
.....
.....
.....

Quality of ZN-stained smears

Comments/actions
.....
.....

Microscopic examination ZN- stained smears

Comments/actions
.....
.....

Grading and reporting of results

Comments/actions
.....
.....
.....

Quality measures control for AFB microscopy

Comments/actions
.....
.....
.....

.....
Dispatch of results

Comments/actions
.....
.....

Overall assessment of TB laboratory diagnosis

Comments/actions
.....
.....
.....
.....
.....
.....
.....

Malaria laboratory diagnosis

Specimen reception – collection, labeling and registering

Comments/actions

.....
.....

Slides for smear preparation

Comments/actions

.....
.....

Smear preparation

Comments/actions

.....

Quality of non stained blood smears

Comments/actions

.....
.....

What staining method is used for thick and thin smears?

.....
.....

Staining procedure

Comments/actions

.....
.....
.....
.....
.....
.....

Quality of stained blood smears

Comments/actions

.....
.....

Microscopic examination stained blood smears

Comments/actions

.....
.....

Grading and reporting of results

Comments/actions

.....
.....
.....

Quality control measures for malaria microscopy

Comments/actions

.....
.....
.....
.....

Dispatch of results

Comments/actions

.....
.....

Overall assessment of malaria laboratory diagnosis

Comments/actions

.....
.....
.....
.....
.....
.....
.....

HIV laboratory Diagnosis

State the testing procedure used in the health unit eg rapid, ELISA etc

.....
.....

Specimen reception – collection, labeling and registering

Comments/actions

.....
.....

Preparation of materials for the test

Comments/actions

.....
.....

Test procedure

Comments/actions

.....
.....
.....
.....
.....
.....

Reading, interpretation and reporting of results

Comments/actions

.....
.....
.....

Quality control measures for HIV antibody testing

Comments/actions

.....
.....
.....

Dispatch of results

Comments/actions

.....
.....

Overall assessment of HIV laboratory diagnosis

Comments/actions

.....
.....
.....
.....
.....
.....

Haematology tests

Hb estimation (state the technique used)

Specimen reception – collection, labeling and registering

Comments/actions

.....
.....

Test procedure

Comments/actions

.....
.....
.....

Reading, interpretation and reporting of results

Comments/actions

.....
.....
.....

Quality control measures for Hb estimation

Comments/actions

.....
.....
.....

Dispatch of results

Comments/actions

.....
.....

Overall assessment of Hb estimation process

Comments/actions

.....
.....
.....
.....
.....
.....
.....

White blood cell counts – Total and differential, Blood film comment

Specimen reception – collection, labeling and registering

Comments/actions

.....
.....

Test procedures

Total white cell count:

Differential white cell count

Blood film comment

Comments/actions

.....
.....
.....
.....
.....
.....
.....
.....
.....
.....

Reading, interpretation and reporting of results

Comments/actions

.....
.....
.....

Quality control measures for white blood cell counts

Comments/actions

.....
.....
.....

Dispatch of results

Comments/actions

.....
.....

Overall assessment of White blood cell counts procedure

Comments/actions

.....
.....
.....
.....
.....
.....
.....
.....

Overall assessment of film comment procedure

Comments/actions

.....
.....
.....
.....
.....

QUALITY CONTROL

Review of stored samples/slides

Test	Health unit results	Supervisor's results	Comments:

Actions/ recommendations:

.....

.....

.....

.....

.....

.....

.....

.....

Quality control materials (To be provided by the supervisor)

Test	Health unit results	Supervisor's results	Comments:

Actions/ recommendations:

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

REVIEW OF DATA

Laboratory tests done in the last two months:

Month	HIV	TB	Malaria	Syphilis (RPR/VDRL)	LFTS	RFTs	WBC - T	WBC-D	Hemoglobin

Name(s) and signatures of supervisee(s)

.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....

Name(s) and signatures of the supervisor(s)

.....
.....
.....
.....
.....
.....
.....
.....