

# Improvement of Laboratory Services

## Project Summary Sheet

<b>Project</b>	Laboratory Services
<b>Sector</b>	Health
<b>Appealing Agency</b>	WHO
<b>Area of Operations</b>	(geographical area: District, Region, and Country)
<b>Target population</b>	(the population living in the area covered by the project)
<b>Implementing Agency</b>	WHO, in collaboration with local health agencies, NGOs, Red Cross Associations, UN, others.
<b>Timeframe</b>	...(expected duration, rather than precise dates)....
<b>Objective</b>	To build capacity for laboratory diagnosis of most common endemic/epidemic diseases at central and district level
<b>Funds requested</b>	..... (from the international community).....

**Background.** ..... (state the problem, in terms of hazards and vulnerabilities; it should include the reasons why the objectives are relevant to the country and/or to the wider relief/rehabilitation programme)

Currently the status of the laboratory network:

3Number of existing functional laboratories and profile of institutions supporting them (governmental, private, NGO, etc.)

3Link with health facilities and proportion of health care facilities having access to accurate basic laboratory tests

3Existing training programmes for laboratory staff (public schools, NGOs, WHO, on site training)

3Existing programmes for systematic supervision/quality control

Weaknesses and gaps of the current laboratory network to be addressed are .....

In this context, WHO intends to contribute to build capacity for laboratory diagnosis of most common endemic/epidemic diseases at central and district level by ensuring that a of a minimal package of essential laboratory tests at peripheral level and of confirmatory tests at central level are available to:

- (i) improve case management of common endemic/epidemic diseases by confirming diagnosis (*eg malaria, TB, HIV/AIDS, trypanosomiasis etc.*);
- (ii) support outbreak investigation and response by ensuring prompt confirmation of epidemic prone diseases
- (iii) provide data to surveillance system for monitoring of communicable disease burden
- (iv) ensure safe water by monitoring water quality

**Activities.** WHO will:

Assist the MoH/lead health agency in developing a plan of action for strengthening public health laboratories (number of laboratories, location, referral pathways, list of essential tests to be performed at each level)

Assist the MoH/lead health agency in establishing/supporting a national reference laboratory

1. Assess the needs and current capacity/performance of existing laboratories

2. Support the establishment of new laboratories or the upgrade of existing laboratory facilities
3. Support the lead health agency in the establishment/revision of a central training curriculum for professional laboratory staff
4. Support the MoH/lead health agency in the establishment/revision of a programme on laboratory supervision and quality control
5. Train central and NGO health workers on safe collection/handling of specimen for early detection of epidemic-prone diseases
6. Organise training of health workers on basic laboratory methods at level
7. Develop, translate and distribute manuals on standard laboratory operating procedures
8. Translate and distribute reference material on laboratory diagnosis
9. Ensure uninterrupted provision of quality-certified laboratory equipment (incl. microscopes), reagents and supplies
10. Ensure proper cold storage capacity of reagents for reference and blood transfusion laboratories
11. Support the MoH/lead health agency in the assessment of blood transfusion centres and in upgrading transfusion safety through training and sustained provision of relevant reagents
12. Support integration of laboratory results in the Health Surveillance System through the establishment of/link with a central database
13. As relevant, contract international reference laboratories for further analysis of selected specimens (e.g. from epidemic diseases or investigation of resistance to standard treatments); organise standard procedures for transport of specimen to international reference laboratories
14. Strengthen peripheral laboratory network (Laboratory network development) and supply laboratories within the network with necessary equipment and supplies and establish a system for regular quality control for sputum smear microscopy

*Special emphasis will go on.... (if applicable: essential strategy notes).*

**Institutional arrangements and inputs.** Activities will be implemented by WHO, in collaboration with local health agencies, and NGOs, Red Cross Associations, and UN agencies

WHO will contribute to the project... (*this may include other donors' contributions*).....  
 Additional assistance is needed in order to.....

**Outputs, reporting and evaluation.** The activities above are expected to produce:  
 A laboratory network, trained health workers on safe collection and handling of samples as well as on laboratory methods, manuals on standard laboratory operating procedures and the establishment of a central database.

Technical and administrative reports will be submitted by WHO to the donor (and *the national authorities, if applicable*) every ..... A joint evaluation will be conducted by WHO,..... and..... on.....

<b>Budget</b>	<b>USD</b>
Technical expertise	.....
Rehabilitation of facilities	.....
Equipment, reagents and supplies	.....
Translation and printing of key documents	.....
Computer equipment	.....
Training	.....
Contract with international reference laboratory	.....
Transport, duty travel	.....
<b>Total costs</b> (1)	.....
<b>Total available</b> (2. <i>from *** or other donors</i> )	.....
<b>Total requested</b> (3.= 1-2)	.....

For more information contact the CDS working group at [CDSEmergencies@who.int](mailto:CDSEmergencies@who.int)