Technical assistance in Latin America
2010 - 2011

Servicio Micobacterias
Instituto Nacional de Enfermedades Infecciosas
ANLIS “Dr Carlos G. Malbran”
ARGENTINA
Regional Activities

Member of

PAHO /WHO Regional TB Programme Technical Advisory Group
(since 2007)

Regional Green Light Committee
(since 2011)

Guatemala, April 11, 2011
Cochabamba, Bolivia, January 6-8 2012
AMRO SRLs and two WHO TB Collaborating Centers (Argentina and Cuba) constituted a TB Laboratory Working Group convened at least annually by the PAHO/WHO Regional TB Programme.

First activities

Knowledge on Latin American TB laboratory networks (structure, resources and procedures)
2006-2007 survey

Training on laboratory network management
2007

Update of basic Technical Guidelines
Smear microscopy and Culture (2008-2009)
Regional Activities

Coordination of TB Laboratory Working Group Meetings

- Argentina, March 15-16, 2010
- El Salvador, July 26-28, 2010
- Guatemala, April 11, 2011

Coordination of laboratory sessions in Regional Meetings and Workshops

- MDR TB management, surveillance, planning (Quito, April 21-30, 2010)
- Regional NTPs & NRLs Meeting - Prioritized countries (El Salvador, July 26-29, 2010)
- Regional NTPs & NRLs Meeting - Low prevalence countries (San Juan Puerto Rico, March 3-4, 2011)
- Innovation & strengthening response to DR TB (Guatemala, April 12-13, 2011)
Regional activities

Consensus building for

i) development of norms and standards
   DST algorithms
   PAHO policy & recommendations for Xpert RIF/TB system incorporation
   Update of PAHO Regional DST Norms and Technical guidelines

ii) development of M&E systems
    Selection of indicators for M&E structure, HHRR, and performance of laboratory networks

iii) planning
    Regional TB Laboratory Plan 2011-2015
Regional activities

Design of contents and facilitation of regional training courses

TB Laboratory Network Management
Instituto E Coni WHO Collaborator Center, Argentina, March 8-13, 2010

Second line DST & XPERT MTB/RIF implementation
SRL Chile, September 12-16, 2011
45% Smear + TB cases notified in AMRO
### DST Proficiency testing

<table>
<thead>
<tr>
<th>Year</th>
<th>Panel</th>
<th>2007</th>
<th>2008</th>
<th>2010</th>
<th>2011</th>
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<td>2007</td>
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#### 1st line drugs
- **Venezuela**: Did not participate in 2007, did not participate in 2008, participated in 2010 and 2011.

#### 2nd line drugs
- **Brasil**: Did not participate in 2007, participated in 2008, did not participate in 2010, participated in 2011.
- **Uruguay**: Did not participate in 2007, participated in 2008, did not participate in 2010, participated in 2011.
- **Venezuela**: Did not participate in 2007, did not participate in 2008, participated in 2010 and 2011.
Efficiency monitoring

isoniazid

rifampicin

streptomycin

ethambutol
Efficiency monitoring

kanamycin

amikacin

capreomycin

ofloxacin
DST Proficiency testing

Checked

- Procedures / internal quality assurance employed for DST
- Biosafety conditions
  (surveys, auditing of laboratory SOP and records)

- Technical competency to distinguish *M. tuberculosis* from MOTT
  (inclusion of additional MOTT isolates to the panel)
Biosafety conditions  Monitoring & improving

WHO standards (minimum specific requirements)

- met
- not met
Technical assistance provided to countries

Brasil

Drug resistance survey
- developed in 2 phases (2007-2011)
  i)  7 States
  ii) 3 States

isolates retesting

1 visit  to drive in-country and supranational QA processes
  February 3-4, 2011

Monitoring of  DR TB management
&  permanent surveillance

1 PAHO mission
  July 11-13, 2011
Technical assistance provided to countries

Venezuela

1 Visit to evaluate

- on-going DRS
- laboratory network organization and performance
- NRL technical procedures and biosafety
- plan for X-pert implementation

October 24-28, 2011
Technical assistance provided to countries

Panamá

1 visit

Evaluation of NRL and laboratory network preparedness to perform a DR survey

28 November – 4 December 2010
Technical assistance provided to countries

Ecuador

1 visit (rGLC mission)
M &E NRL and laboratory network
for DR TB management and surveillance
X-pert implementation process

December 12-15 2011
Know-how transference

Mexico SRL

1 visit

to evaluate technical capacity
to orientate the national & supranational activities

December 6-10, 2010
A professional of the laboratory was trained to provide in-country consultancy while visiting Panama, Mexico and Venezuela.

Other professional visited the Borstel SRL.
Funding

Mobilized by  PAHO/WHO  Regional  TB programme

PAHO regular budget

USAID
  Meetings
  Country missions
  Document editing & printing

AECID (Spain)
  Training /courses
  Documents editing & printing
  SRL activities

Insufficient to implement the Regional Plan
Difficulties in Latin American SRLs

– Insufficient funds to implement the Regional plan for Laboratory Strengthening

– Insufficient staff to accomplish supranational activities in addition to the demanding national responsibilities

– Decline in critical capabilities due to retirement of experts

– Cumbersome import/export procedures