Implementation and scale-up of the Xpert MTB/RIF system for rapid diagnosis of TB and MDR-TB

Global Consultation
Geneva, 30 November – 2 December 2010
TB diagnostic value chain

1. Feasibility
   - Research prototype format for new diagnostic product developed and validated

2. Development
   - New in-vitro diagnostic test developed under quality assurance: «product in a box»; design lock
   - Specifications of new diagnostic product validated in controlled trials at 3-5 trial sites in high-endemic countries

3. Evaluation
   - Specifications of new diagnostic product validated in uncontrolled trials under field conditions at 5-10 trial sites in high-endemic countries

4. Demonstration
   - New product successfully implemented in routine diagnostic services under quality assurance in >2 early implementer’s laboratories in high-endemic countries
   - Roll-out of new technologies into high-endemic countries (>30)

5. WHO
   - Collecting evidence for scale-up

6. Scale-up
   - STAG endorsement
Meeting objectives

1. Diagnostic algorithms for risk groups

2. Programmatic implementation: tiered lab services

3. Pricing considerations and market dynamics

4. Cost-effectiveness and cost-benefit considerations

5. Global framework for rapid uptake in countries
Agenda

Day 1 – Plenary
evidence, affordability, needs, innovation

Day 2 – Group Work
diagnostic algorithms, implementation considerations, controversies, operational research needs

Day 3 – Plenary
roadmap for moving forward