

Economic Costing of bacteriology testing in Sierra Leone for Sustainability of AMR Surveillance: a micro-costing analysis

Supplementary Material 2

Resource Quantity Estimation Assumptions for Consumables and Reagents

Detailed resource quantity estimation assumptions (per test)

Component	Per-test quantity	Estimation basis / data source
Agar plates (total)	2 plates	Protocol assumption
Blood agar base powder	As required to prepare 1 blood agar plate	In-house media preparation recipe; batch preparation records
Defibrinated sheep blood	As required for 1 blood agar plate	In-house media preparation recipe; procurement records
MacConkey agar base powder	As required to prepare 1 MacConkey plate	In-house media preparation recipe; batch preparation records
Crystal violet (for MacConkey)	As required for MacConkey preparation	In-house recipe / standard formulation
Antibiotic discs	1 panel (10 discs)	Routine AST panel specification
Microscope slides	2 slides	Protocol assumption
Gram stain reagents (set)	1 set per test (applied to 1 slide)	SOP-based use; consumption estimated from bottle volumes and observed tests
Sterile cotton swab	1 swab	Monthly acquisition/stock records
Gloves	1 pair	Monthly acquisition/stock records
Petri dish lid/cover (for slide drying)	1 cover	Monthly acquisition/stock records / observation
Inoculating loop	1 loop (optional)	Observation; monthly acquisition where applicable