



EQuAfrica Pilot Programme Expected results

Sample A			
Graded areas	Expected response		
Microscopy	Gram-negative bacilli		
Culture and ID	<i>Escherichia coli</i>		
Antimicrobial susceptibility testing results	Ampicillin – R	Ceftriaxone – S	Imipenem – S
	Amoxicillin/clavulanate – S	Amikacin – S	Meropenem – S
	Cefepime – S	Gentamicin – S	Piperacillin/Tazobactam – S
	Cefotaxime – S	Tobramycin – S	Trimethoprim/sulfamethoxazole – S
	Cefoxitin – S	Ciprofloxacin – S	
	Ceftazidime – S	Ertapenem – S	
Resistance phenotype	Not applicable		
Sample B			
Graded areas	Expected response		
Microscopy	Gram-positive cocci		
Culture and ID	<i>Staphylococcus aureus</i>		
Antimicrobial Susceptibility Testing results	Ampicillin – R	Clindamycin – S	Rifampicin – S
	Cefoxitin – R	Gentamicin – S	Quinupristin/Dalfopristin – S
	Chloramphenicol – S	Linezolid – S	Tetracycline – S
	Ciprofloxacin – R	Oxacillin – R	Trimethoprim/sulfamethoxazole – S
	Erythromycin – R	Penicillin – R	*Vancomycin – S
Resistance phenotype	Methicillin Resistant <i>Staphylococcus aureus</i> (MRSA)		
Sample C			
Graded areas	Expected response		
Microscopy	Gram- negative bacilli		
Culture and ID	<i>Escherichia coli</i>		
Antimicrobial susceptibility testing results	Ampicillin – R	Ceftazidime – S	Ertapenem – S
	Amoxicillin/clavulanate – R	Ceftriaxone – R	Imipenem – S
	Cefepime – S	Amikacin – S	Meropenem – S
	Cefotaxime – R	Gentamicin – S	Nitrofurantoin – S
	Cefoxitin – S	Tobramycin – S	Trimethoprim/sulfamethoxazole – R
Resistance phenotype	ESBL (Extended spectrum Beta-lactamase producer)		



Sample D			
Graded areas	Expected response		
Microscopy	Gram-negative bacilli		
Serotyping/serogrouping	<i>Salmonella</i> Paratyphi B / <i>Salmonella</i> group O:4 (B)		
Culture and ID	<i>Salmonella</i> Paratyphi B		
Antimicrobial susceptibility testing results	Ampicillin – S	Ceftazidime – S	Imipenem – S
	Amoxicillin/clavulanate – S	Amikacin – S	Meropenem – S
	Cefepime – S	Gentamicin – S	Trimethoprim/sulfamethoxazole – S
	Cefotaxime – S	Tobramycin – S	**Ciprofloxacin - I
	Cefoxitin – S	Ertapenem – S	
Resistance phenotype	Not applicable		
Sample E			
Graded areas	Expected response		
Microscopy	Gram-negative bacilli		
Serotyping/serogrouping	Not applicable		
Culture and ID	<i>Vibrio parahaemolyticus</i>		

* A MIC method must be used for determining AST results

** There are no EUCAST disk susceptibility guidelines for this antibiotic

S / I / R – Susceptible / Intermediate / Resistant

