

Test forms for the External Quality Assessment (EQA) for laboratories participating in the European Antimicrobial Resistance Surveillance Network (EARS-Net), 2021

When submitting the results online, the EARS-Net participants will be asked for the following information:

TEST FORM METHODS – *Escherichia coli*

1. Which methodology did you mainly use for antimicrobial susceptibility testing (AST) of *Escherichia coli* for this EQA exercise?

MIC – Broth microdilution

MIC – Macro dilution (tubes)

MIC – Agar dilution

Gradient test

Please specify test (e.g. Etest, MICE, MIC Test Strip): _____

Disk/Tablet diffusion

Please specify test (e.g. Neo-Sensitabs): _____

Automated system

Please specify manufacturer and type of instrument: _____

Other

2. Which standard/guideline did you use when performing AST?

EUCAST

Other

If other, please specify: _____

3. Would you normally send this (invasive!) strain to a reference or other laboratory?

EARS-NET 2021 EC.1 Yes/No

EARS-NET 2021 EC.2 Yes/No

EARS-NET 2021 EC.3 Yes/No

4. Have you used a different antimicrobial from the same class (e.g. ceftizoxime instead of cefotaxime) when testing the strains?

EARS-NET 2021 EC.1 Yes/No

If yes, please enter the result S/I/R in the result table and provide the information of original and alternative antimicrobial here (multiple entries permitted): _____

EARS-NET 2021 EC.2 Yes/No

If yes, please enter the result S/I/R in the result table and provide the information of original and alternative antimicrobial here (multiple entries permitted): _____

EARS-NET 2021 EC.3 Yes/No

If yes, please enter the result S/I/R in the result table and provide the information of original and alternative antimicrobial here (multiple entries permitted): _____

5. Please change method for the relevant antibiotic(s) if it differs from the chosen method in question 1. The result will by default be set to the information provided in question 1.

Amikacin	
Amoxicillin	
Amoxicillin with fixed concentration of 2 mg/L clavulanic acid	
Ampicillin	
Cefepime	
Cefotaxime	
Ceftazidime	
Ceftriaxone	
Ciprofloxacin	
Colistin	
Ertapenem	
Gentamicin	
Imipenem	
Levofloxacin	
Meropenem	
Moxifloxacin	
Norfloxacin	
Ofloxacin	
Piperacillin with fixed concentration of 4 mg/L tazobactam	
Tigecycline	
Tobramycin	

Online submission only

Strain	Antimicrobial	Results and interpretation		
		≤ >	MIC value (mg/L) or zone diameter (mm)	S / I / R / NA
<i>E. coli</i> EARS-NET 2021 EC.1	Amikacin			
	Amoxicillin			
	Amoxicillin with fixed concentration of 2 mg/L clavulanic acid			
	Ampicillin			
	Cefepime			
	Cefotaxime			
	Ceftazidime			
	Ceftriaxone			
	Ciprofloxacin			
	Colistin			
	Ertapenem			
	Gentamicin			
	Imipenem			
	Levofloxacin			
	Meropenem			
	Moxifloxacin			
	Norfloxacin			
	Ofloxacin			
	Piperacillin with fixed concentration of 4 mg/L tazobactam			
	Tigecycline			
Tobramycin				

Online submission only

Strain	Antimicrobial	Results and interpretation		
		≤ >	MIC value (mg/L) or zone diameter (mm)	S / I / R / NA
<i>E. coli</i> EARS-NET 2021 EC.2	Amikacin			
	Amoxicillin			
	Amoxicillin with fixed concentration of 2 mg/L clavulanic acid			
	Ampicillin			
	Cefepime			
	Cefotaxime			
	Ceftazidime			
	Ceftriaxone			
	Ciprofloxacin			
	Colistin			
	Ertapenem			
	Gentamicin			
	Imipenem			
	Levofloxacin			
	Meropenem			
	Moxifloxacin			
	Norfloxacin			
	Ofloxacin			
	Piperacillin with fixed concentration of 4 mg/L tazobactam			
	Tigecycline			
Tobramycin				

Online submission only

Strain	Antimicrobial	Results and interpretation		
		≤ >	MIC value (mg/L) or zone diameter (mm)	S / I / R / NA
<i>E. coli</i> EARS-NET 2021 EC.3	Amikacin			
	Amoxicillin			
	Amoxicillin with fixed concentration of 2 mg/L clavulanic acid			
	Ampicillin			
	Cefepime			
	Cefotaxime			
	Ceftazidime			
	Ceftriaxone			
	Ciprofloxacin			
	Colistin			
	Ertapenem			
	Gentamicin			
	Imipenem			
	Levofloxacin			
	Meropenem			
	Moxifloxacin			
	Norfloxacin			
	Ofloxacin			
	Piperacillin with fixed concentration of 4 mg/L tazobactam			
	Tigecycline			
Tobramycin				

Online submission only

TEST FORM METHODS – *Klebsiella pneumoniae*

1. Which methodology did you mainly use for antimicrobial susceptibility testing (AST) of *Klebsiella pneumoniae* for this EQA exercise?

MIC – Broth microdilution

MIC – Macro dilution (tubes)

MIC – Agar dilution

Gradient test

Please specify test (e.g. Etest, MICE, MIC Test Strip): _____

Disk/Tablet diffusion

Please specify test (e.g. Neo-Sensitabs): _____

Automated system

Please specify manufacturer and type of instrument: _____

Other

2. Which standard/guideline did you use when performing AST?

EUCAST

Other

If other, please specify: _____

3. Would you normally send this (invasive!) strain to a reference or other laboratory?

EARS-NET 2021 KPN.1 Yes/No

EARS-NET 2021 KPN.2 Yes/No

EARS-NET 2021 KPN.3 Yes/No

4. Have you used a different antimicrobial from the same class (e.g. ceftizoxime instead of cefotaxime) when testing the strains?

EARS-NET 2021 KPN.1 Yes/No

If yes, please enter the result S/I/R in the result table and provide the information of original and alternative antimicrobial here (multiple entries permitted): _____

EARS-NET 2021 KPN.2 Yes/No

If yes, please enter the result S/I/R in the result table and provide the information of original and alternative antimicrobial here (multiple entries permitted): _____

EARS-NET 2021 KPN.3

Yes/No

If yes, please enter the result S/I/R in the result table and provide the information of original and alternative antimicrobial here (multiple entries permitted): _____

5. Please change method for the relevant antibiotic(s) if it differs from the chosen method in question 1. The result will by default be set to the information provided in question 1.

Amikacin	
Amoxicillin with fixed concentration of 2 mg/L clavulanic acid	
Cefepime	
Cefotaxime	
Ceftazidime	
Ceftriaxone	
Ciprofloxacin	
Colistin	
Ertapenem	
Gentamicin	
Imipenem	
Levofloxacin	
Meropenem	
Moxifloxacin	
Norfloxacin	
Ofloxacin	
Piperacillin with fixed concentration of 4 mg/L tazobactam	
Tobramycin	

Online submission only

Strain	Antimicrobial	Results and interpretation		
		≤ >	MIC value (mg/L) or zone diameter (mm)	S / I / R / NA
<i>Klebsiella pneumoniae</i> EARS-NET 2021 KPN.1	Amikacin			
	Amoxicillin with fixed concentration of 2 mg/L clavulanic acid			
	Cefepime			
	Cefotaxime			
	Ceftazidime			
	Ceftriaxone			
	Ciprofloxacin			
	Colistin			
	Ertapenem			
	Gentamicin			
	Imipenem			
	Levofloxacin			
	Meropenem			
	Moxifloxacin			
	Norfloxacin			
	Ofloxacin			
	Piperacillin with fixed concentration of 4 mg/L tazobactam			
Tobramycin				

Online submission only

Strain	Antimicrobial	Results and interpretation		
		≤ >	MIC value (mg/L) or zone diameter (mm)	S / I / R / NA
<i>Klebsiella pneumoniae</i> EARS-NET 2021 KPN.2	Amikacin			
	Amoxicillin with fixed concentration of 2 mg/L clavulanic acid			
	Cefepime			
	Cefotaxime			
	Ceftazidime			
	Ceftriaxone			
	Ciprofloxacin			
	Colistin			
	Ertapenem			
	Gentamicin			
	Imipenem			
	Levofloxacin			
	Meropenem			
	Moxifloxacin			
	Norfloxacin			
	Ofloxacin			
	Piperacillin with fixed concentration of 4 mg/L tazobactam			
Tobramycin				

Online submission only

Strain	Antimicrobial	Results and interpretation		
		≤ >	MIC value (mg/L) or zone diameter (mm)	S / I / R / NA
<i>Klebsiella pneumoniae</i> EARS-NET 2021 KPN.3	Amikacin			
	Amoxicillin with fixed concentration of 2 mg/L clavulanic acid			
	Cefepime			
	Cefotaxime			
	Ceftazidime			
	Ceftriaxone			
	Ciprofloxacin			
	Colistin			
	Ertapenem			
	Gentamicin			
	Imipenem			
	Levofloxacin			
	Meropenem			
	Moxifloxacin			
	Norfloxacin			
	Ofloxacin			
	Piperacillin with fixed concentration of 4 mg/L tazobactam			
Tobramycin				

Online submission only