

UKNEQAS 2018

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KM seksiooni koosolek

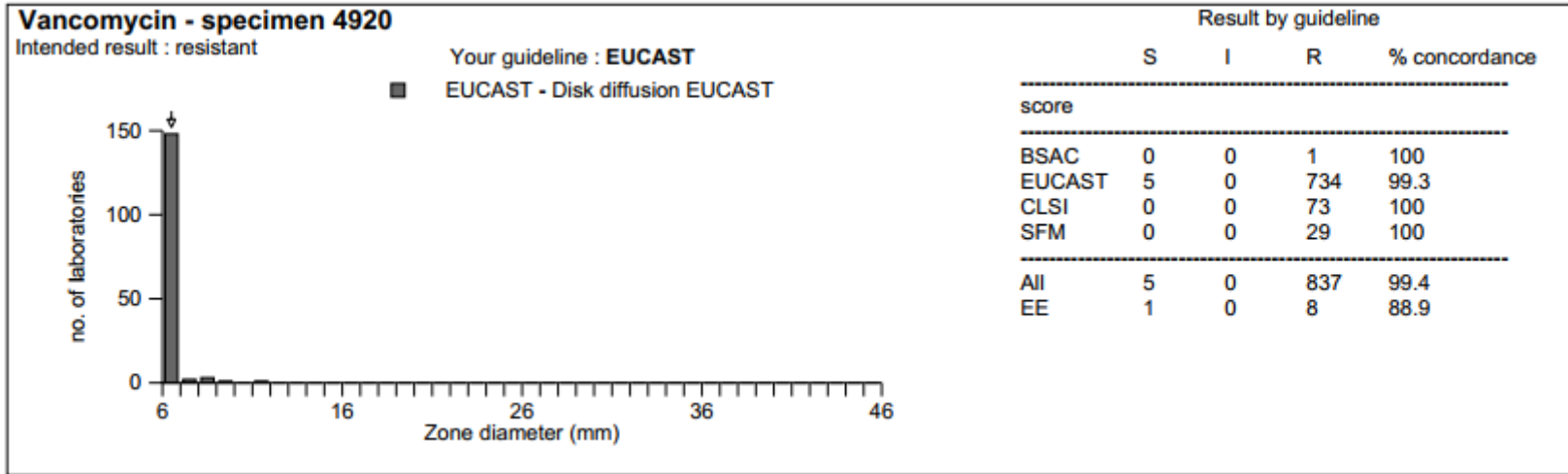
E. faecium (4920)

Specimen : 4920	<i>Enterococcus faecium</i>	Your report : <i>Enterococcus faecium</i>			Referral : YES - Would refer
	MIC range * (mg/L)	EUCAST Result	EUCAST Breakpoints (mg/L)	CLSI Result	CLSI Breakpoints (mg/L)
Amoxicillin	-	R	S ≤ 4 R > 8	R	infer from amp
Ampicillin	>8	R	S ≤ 4 R > 8	R	S ≤ 8 R ≥ 16
Gentamicin-HLR	32	Neg	S ≤ 128 R > 128	Neg	S ≤ 500 R > 500
Teicoplanin	>32	R	S ≤ 2 R > 2	R	S ≤ 8 R ≥ 32
Vancomycin	>32	R	S ≤ 4 R > 4	R	S ≤ 4 R ≥ 32

* MICs determined by the ISO reference method for MIC determinations by broth microdilution

Gentamicin-HLR - specimen 4920		Result by guideline		
Intended result : negative	Your guideline : EUCAST	POS	NEG	% concordance
<hr/>				
score				
<hr/>				
BSAC		0	1	100
EUCAST		306	372	54.9
CLSI		49	28	36.4
SFM		12	16	57.1
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All		367	417	53.2
EE		1	9	90.0

E. faecium (4920)

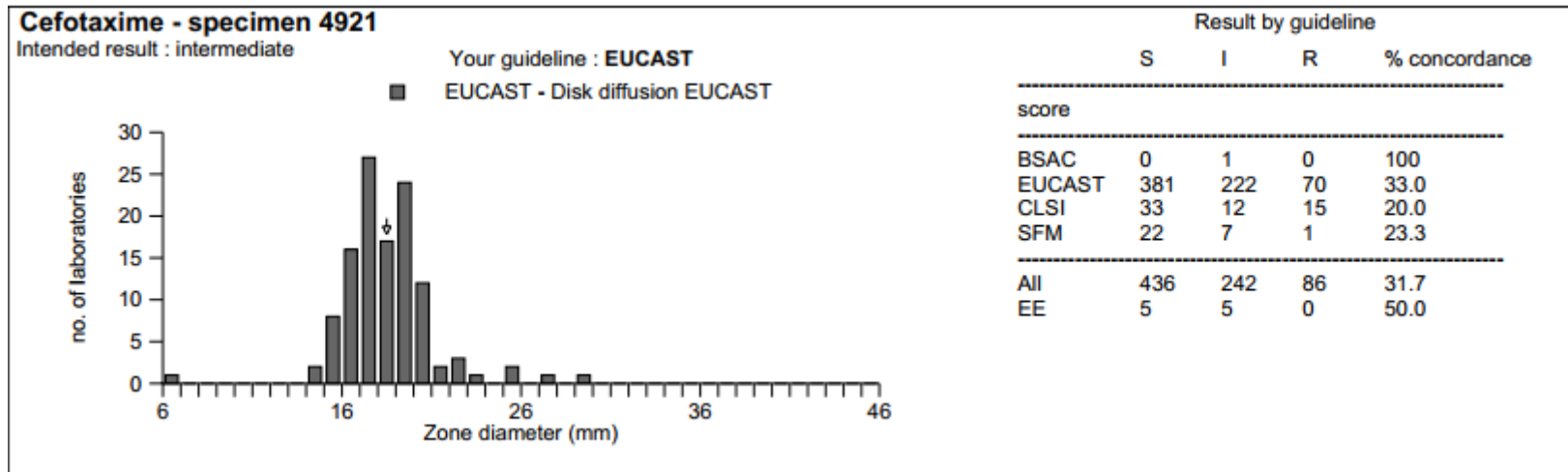


K. pneumoniae (4921)

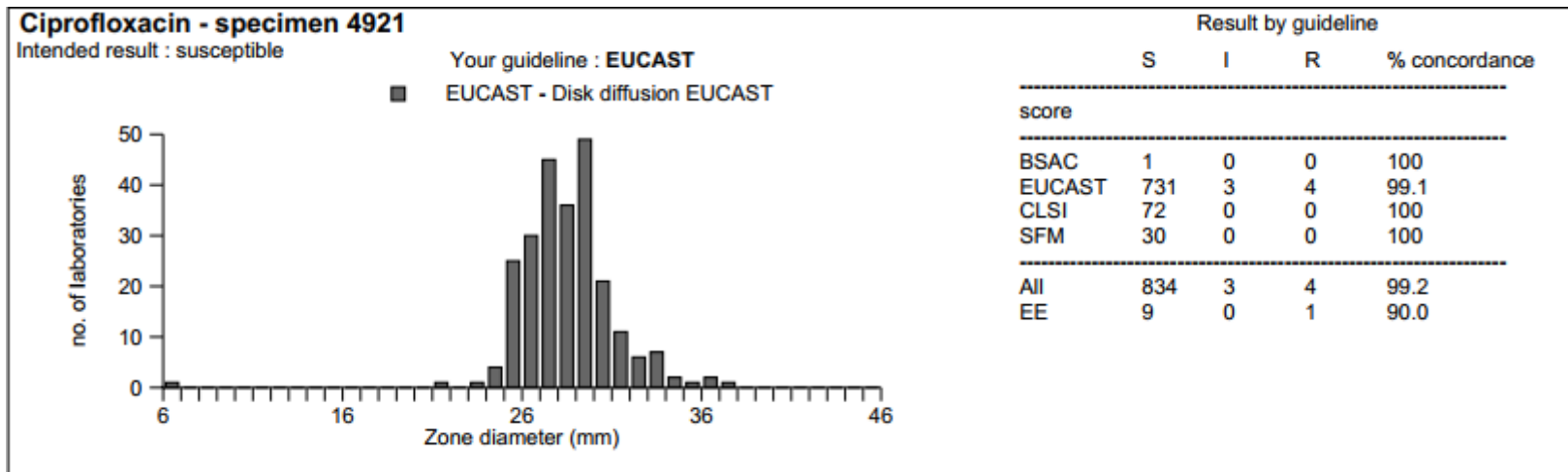
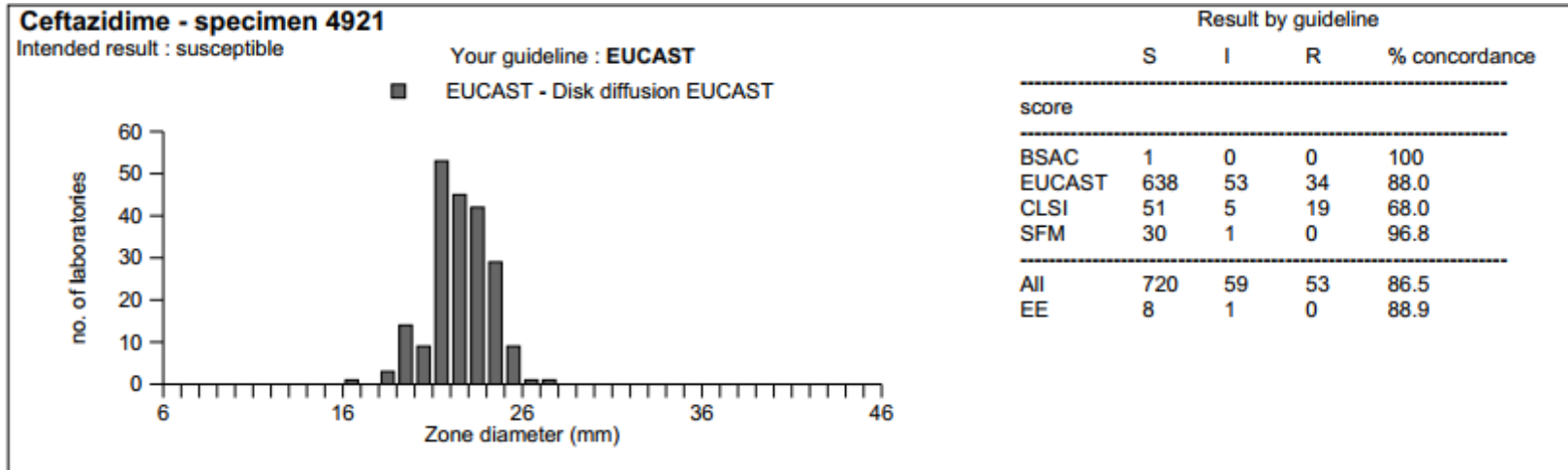
Specimen : 4921	<i>Klebsiella pneumoniae</i>	Your report : <i>Klebsiella pneumoniae</i>		Referral : YES - Would refer	
	MIC range * (mg/L)	EUCAST Result	EUCAST Breakpoints (mg/L)	CLSI Result	CLSI Breakpoints (mg/L)
Amikacin	0.5-2	S	S≤8 R>16	S	S≤16 R≥64
Amoxicillin	≥ 128	R	S≤8 R>8	R	infer from amp
Amoxicillin-clavulanic acid	≥ 128(≥ 128)	R	S≤8 R>8	R	S≤8 R≥32
Ampicillin	≥ 128	R	S≤8 R>8	R	S≤8 R≥32
Cefotaxime	2	I	S≤1 R>2	I	S≤1 R≥4
Ceftazidime	1	S	S≤1 R>4	S	S≤4 R≥16
Ceftriaxone	1	S	S≤1 R>2	S	S≤1 R≥4
Ciprofloxacin	0.03	S	S≤0.25 R>0.5	S	S≤1 R≥4
Colistin	≤0.25	S	S≤2 R>2	-	
Ertapenem	8-64	R	S≤0.5 R>1	R	S≤0.5 R≥2
Gentamicin	0.25-0.5	S	S≤2 R>4	S	S≤4 R≥16
Imipenem	4	I	S≤2 R>8	R	S≤1 R≥4
Levofloxacin	-	S see pg.2	S≤0.5 R>1	S	S≤2 R≥8
Meropenem	4	I	S≤2 R>8	R	S≤1 R≥4
Ofloxacin	-	S see pg.2	S≤0.25 R>0.5	S	S≤2 R≥8
Piperacillin-tazobactam	≥ 128	R	S≤8 R>16	R	S≤16 R≥128
Tobramycin	0.25	S	S≤2 R>4	S	S≤4 R≥16

* MICs determined by the ISO reference method for MIC determinations by broth microdilution

K. pneumoniae (4921)



K. pneumoniae (4921)

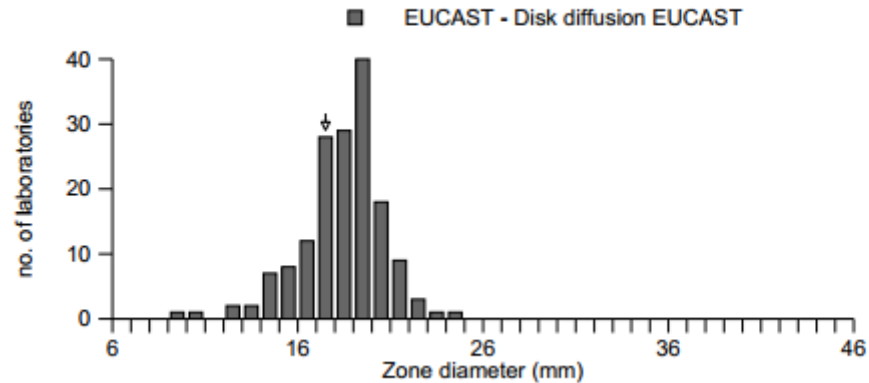


K. pneumoniae (4921)

Imipenem - specimen 4921

Intended result : intermediate

Your guideline : EUCAST



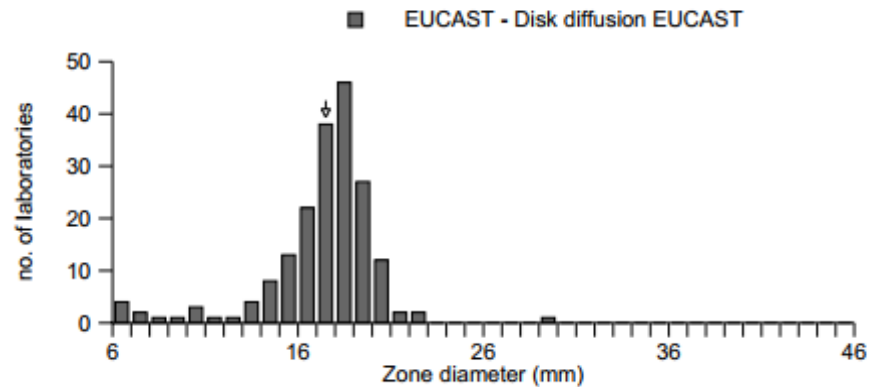
Result by guideline

	S	I	R	% concordance
score				
EUCAST	184	274	129	68.7
CLSI	4	22	45	94.4
SFM	14	6	8	50.0
All	202	302	182	70.6
EE	4	4	1	55.6

Meropenem - specimen 4921

Intended result : intermediate

Your guideline : EUCAST



Result by guideline

	S	I	R	% concordance
score				
BSAC	0	1	0	100
EUCAST	277	330	114	61.6
CLSI	13	29	28	81.4
SFM	16	5	1	27.3
All	306	365	143	62.4
EE	5	4	1	50.0

K. pneumoniae (4921) PERH; OXA-48

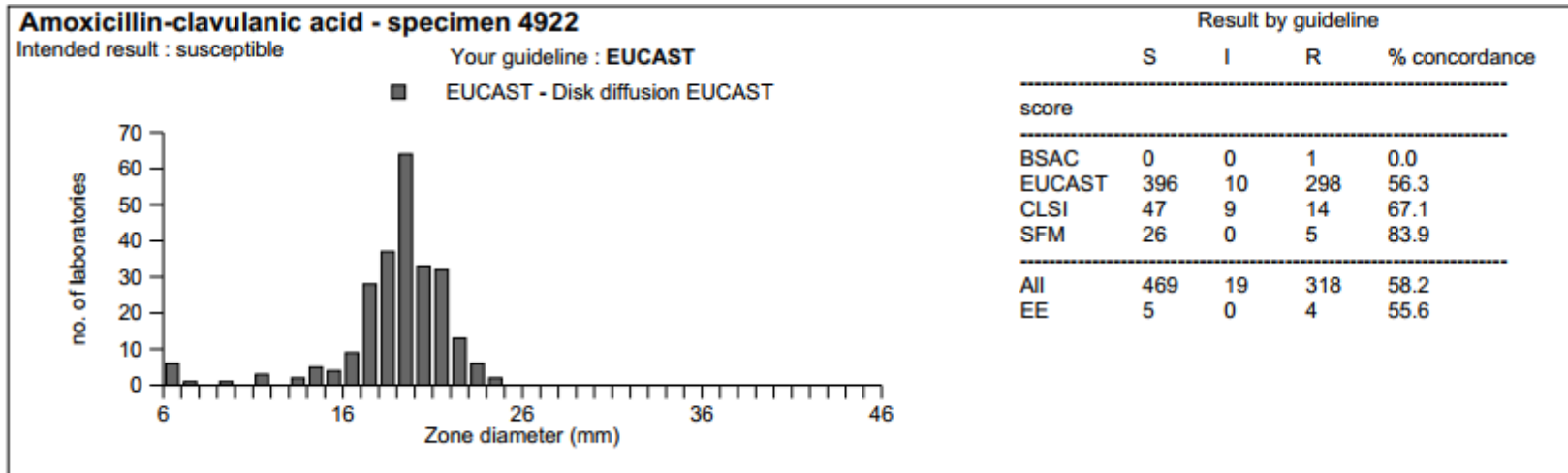
	disk	Vitek	riba
CTX 16-19/ 1,0	19 (MT)	1 (T)	0,5 (T)
IMP 16-21/ 2/4	18 (MT)	-	0,75 (T)
MEM 15-21/ 2/8	18 (MT)	2 (T)	1 (T)

E. coli (4922)

Specimen : 4922	<i>Escherichia coli</i>	Your report : <i>Escherichia coli</i>			Referral : NO - Would not refer
	MIC range * (mg/L)	EUCAST Result	EUCAST Breakpoints (mg/L)	CLSI Result	CLSI Breakpoints (mg/L)
Amikacin	≤ 4	S	S ≤ 8 R > 16	S	S ≤ 16 R ≥ 64
Amoxicillin	> 32	R	S ≤ 8 R > 8	R	infer from amp
Amoxicillin-clavulanic acid	8	S	S ≤ 8 R > 8	S	S ≤ 8 R ≥ 32
Ampicillin	> 32	R	S ≤ 8 R > 8	R	S ≤ 8 R ≥ 32
Cefotaxime	≤ 0.5	S	S ≤ 1 R > 2	S	S ≤ 1 R ≥ 4
Ceftazidime	≤ 0.5	S	S ≤ 1 R > 4	S	S ≤ 4 R ≥ 16
Ceftriaxone	0.12	S	S ≤ 1 R > 2	S	S ≤ 1 R ≥ 4
Ciprofloxacin	> 2	R	S ≤ 0.25 R > 0.5	R	S ≤ 1 R ≥ 4
Colistin	4	R	S ≤ 2 R > 2	-	
Ertapenem	≤ 0.12	S	S ≤ 0.5 R > 1	S	S ≤ 0.5 R ≥ 2
Gentamicin	≤ 0.5	S	S ≤ 2 R > 4	S	S ≤ 4 R ≥ 16
Imipenem	≤ 0.5	S	S ≤ 2 R > 8	S	S ≤ 1 R ≥ 4
Levofloxacin	-	R see pg.2	S ≤ 0.5 R > 1	R	S ≤ 2 R ≥ 8
Meropenem	≤ 0.12	S	S ≤ 2 R > 8	S	S ≤ 1 R ≥ 4
Ofloxacin	-	R see pg.2	S ≤ 0.25 R > 0.5	R	S ≤ 2 R ≥ 8
Piperacillin-tazobactam	4	S	S ≤ 8 R > 16	S	S ≤ 16 R ≥ 128
Tobramycin	≤ 2	S	S ≤ 2 R > 4	S	S ≤ 4 R ≥ 16

* MICs determined by the ISO reference method for MIC determinations by broth microdilution

E. coli (4922)



E. coli (4922) PERH

	disk	Vitek	riba
AMC 19/8	18 (R)	4 (T)	2 (T)
SAM 14/8	18 (T)	-	12 (R)

E. coli (4922)

Colistin - specimen 4922

Intended result : resistant

Your guideline : EUCAST

Result by guideline

	S	I	R	% concordance
<hr/>				
score				
<hr/>				
EUCAST	140	3	322	69.2
CLSI	12	0	21	63.6
SFM	2	0	10	83.3
<hr/>				
All	154	3	353	69.2
EE	1	0	3	75.0

S. aureus (4923)

Vancomycin - specimen 4923

Intended result : susceptible

Your guideline : EUCAST

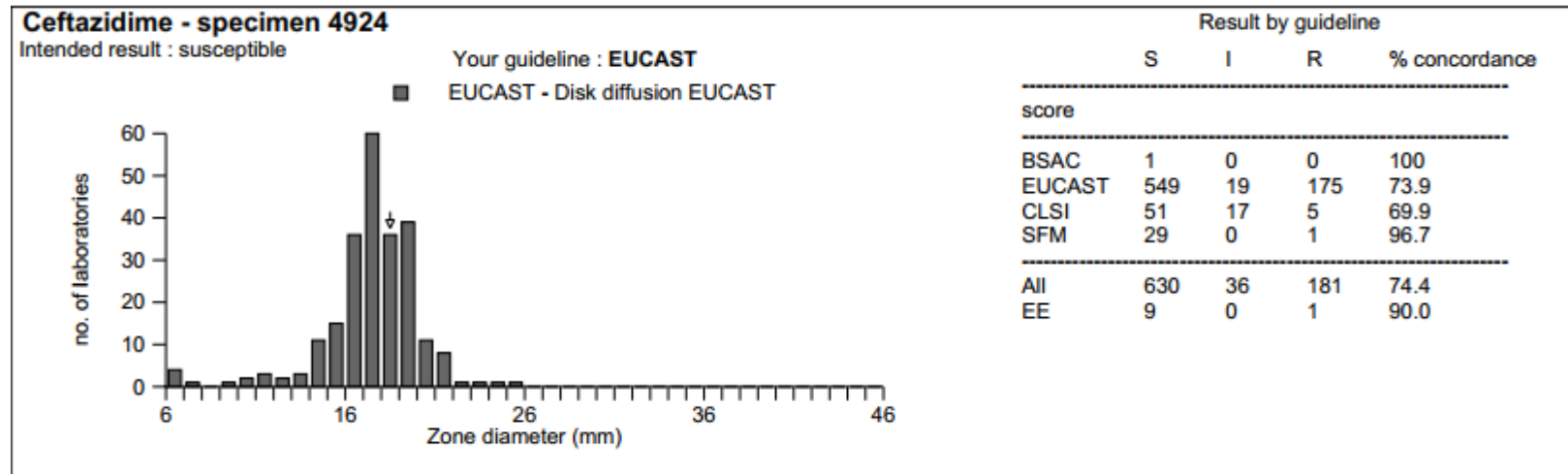
Result by guideline

	S	I	R	% concordance
score				
BSAC	1	0	0	100
EUCAST	722	0	9	98.8
CLSI	70	1	1	97.2
SFM	29	0	0	100
All	822	1	10	98.7
EE	9	0	1	90.0

P. aeruginosa (4924)

Specimen : 4924	<i>Pseudomonas aeruginosa</i>	Your report : <i>Pseudomonas aeruginosa</i>		Referral : NO - Would not refer	
	MIC range * (mg/L)	EUCAST Result	EUCAST Breakpoints (mg/L)	CLSI Result	CLSI Breakpoints (mg/L)
Amikacin	4	S	S ≤ 8 R > 16	S	S ≤ 16 R ≥ 64
Ceftazidime	4	S	S ≤ 8 R > 8	S	S ≤ 8 R ≥ 32
Ciprofloxacin	8-16	R	S ≤ 0.5 R > 0.5	R	S ≤ 1 R ≥ 4
Colistin	1-2	S	S ≤ 2 R > 2	S	S ≤ 2 R ≥ 4
Gentamicin	2	S	S ≤ 4 R > 4	S	S ≤ 4 R ≥ 16
Imipenem	16	R	S ≤ 4 R > 8	R	S ≤ 2 R ≥ 8
Levofloxacin	-	R see pg.2	S ≤ 1 R > 1	R	S ≤ 2 R ≥ 8
Meropenem	16	R	S ≤ 2 R > 8	R	S ≤ 2 R ≥ 8
Piperacillin-tazobactam	16	S	S ≤ 16 R > 16	S	S ≤ 16 R ≥ 128
Tobramycin	1	S	S ≤ 4 R > 4	S	S ≤ 4 R ≥ 16

* MICs determined by the ISO reference method for MIC determinations by broth microdilution



P. aeruginosa (4924)

Colistin - specimen 4924

Intended result : susceptible

Your guideline : **EUCAST**

Result by guideline

	S	I	R	% concordance

score				

EUCAST	495	1	22	95.6
CLSI	49	1	2	94.2
SFM	16	0	0	100

All	560	2	24	95.6
EE	4	0	1	80.0

Gentamicin - specimen 4924

Intended result : susceptible

Your guideline : **EUCAST**

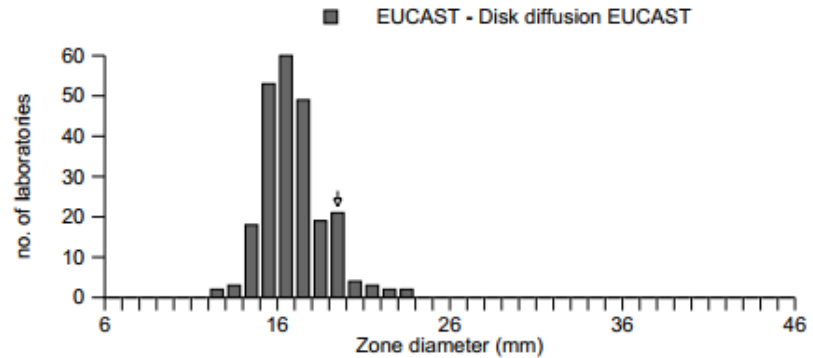
Result by guideline

	S	I	R	% concordance

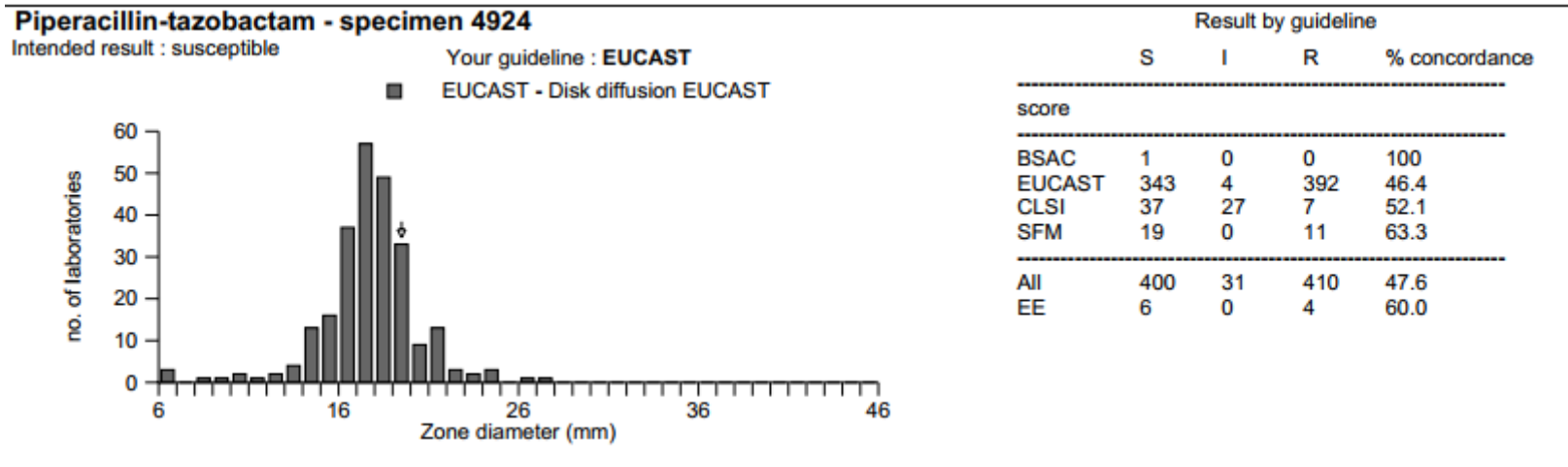
score				

BSAC	1	0	0	100
EUCAST	699	1	19	97.2
CLSI	71	3	0	95.9
SFM	26	0	3	89.7

All	797	4	22	96.8
EE	9	0	1	90.0



P. aeruginosa (4924)



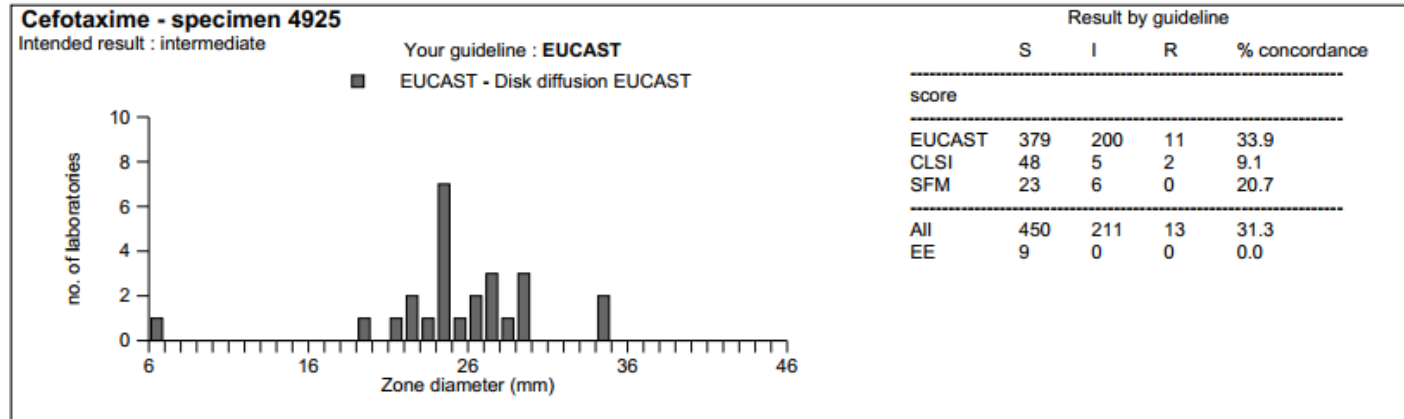
P. aeruginosa (4924) PERH

	disk	Vitek	riba
CAZ 17mm /8	19 (T)	8 (T)#	-
TZP 18mm /16	20 (T)	32 (R)	12 (T)

S. pneumoniae (4925)

Specimen : 4925	<i>Streptococcus pneumoniae</i>	Your report : <i>Streptococcus pneumoniae</i>	Referral : YES - Would refer
	MIC range * (mg/L)	EUCAST Result	EUCAST Breakpoints (mg/L)
Cefotaxime	1	I	S ≤ 0.5 R > 2
Meningitis/cefotaxime	-	I	S ≤ 0.5 R > 2
Pneumonia/cefotaxime	-	I	S ≤ 0.5 R > 2
Ceftriaxone	1-2	I	S ≤ 0.5 R > 2
Meningitis/ceftriaxone	-	I	S ≤ 0.5 R > 2
Pneumonia/ceftriaxone	-	I	S ≤ 0.5 R > 2
Clindamycin	-	R see pg.2	S ≤ 0.5 R > 0.5
Erythromycin	≥ 128	R	S ≤ 0.25 R > 0.5
Levofloxacin	1	S	S ≤ 2 R > 2
Moxifloxacin	0.12	S	S ≤ 0.5 R > 0.5
Norfloxacin	-	S see pg.2	S
Penicillin	4	R	S ≤ 0.06 R > 2
Meningitis/PEN	-	R	S ≤ 0.06 R > 0.06
Pneumonia/PEN	-	R	S ≤ 0.5 R > 2
			CLSI Result
			CLSI Breakpoints (mg/L)
			-
			I
			S
			I/R
			S/I
			R
			R
			S
			S
			-
			R
			R
			S
			S
			I

* MICs determined by the ISO reference method for MIC determinations by broth microdilution



S. pneumoniae (4925)

Meningitis/cefotaxime - specimen 4925

Intended result : intermediate

Your guideline : EUCAST

Result by guideline

	S	I	R	% concordance

score				

EUCAST	302	116	39	25.4
CLSI	35	23	5	36.5
SFM	25	5	1	16.1

All	362	144	45	26.1
EE	9	0	0	0.0

Pneumonia/cefotaxime - specimen 4925

Intended result : intermediate

Your guideline : EUCAST

Result by guideline

	S	I	R	% concordance

score				

EUCAST	329	133	8	98.3
CLSI	58	3	1	98.4
SFM	27	4	0	100

All	414	140	9	98.4
EE	9	0	0	100.0

S. pneumoniae (4925)

Penicillin - specimen 4925

Intended result : resistant

Your guideline : EUCAST

	Result by guideline			
	S	I	R	% concordance
<hr/>				
score				
<hr/>				
BSAC	0	1	0	0.0
EUCAST	47	470	94	15.4
CLSI	23	20	7	14.0
SFM	1	28	0	0.0
<hr/>				
All	71	519	101	14.6
EE	0	7	1	12.5

Pneumonia/PEN - specimen 4925

Intended result : resistant

Your guideline : EUCAST

	Result by guideline			
	S	I	R	% concordance
<hr/>				
score				
<hr/>				
EUCAST	210	414	51	68.9
CLSI	57	3	3	9.5
SFM	10	21	0	67.7
<hr/>				
All	277	438	54	64.0
EE	4	6	0	60.0

S. pneumoniae (4925) PERH (ox disk 6 mm-R)

	riba	pneumoonia	meningiit	Referents
Pen	0,38 (MT)	R	MT	4 (R)
CTX	0,38 (T)	T	T	1 (MT)