

Table 1. Interpretation of results from Diatabs (on agar)

DIATABS (Active ingredients per tablet)	Size mm	Code*	Procedure	Interpretation				QC strain	
				Zone mm	Sensitive	Zone mm	Resistant	Sensitive	Resistant
Bacitracin low 0.4 U	6	BaL	Standard I on TSA blood agar	> 15	Beta-hæmolytic streptococci Group A	< 14	Other streptococci	<i>S. pyogenes</i> ATCC 12344	<i>S. bovis</i> ATCC 15351
Boronic Acid 250 µg	9	BORON		Detection of plasmid mediated AmpC beta-lactamases.				<i>E. coli</i> FN 9414	<i>E. coli</i> ATCC 25922
Brilliant Green 100 µg	6	BrG	Standard II	≥ 10	<i>Bacteroides</i> spp.	< 10	<i>Fusobacterium</i> spp.	<i>B. fragilis</i> ATCC 25285	<i>F. necrogenes</i> ATCC 25556
C-390 40 µg	9	C-390	Standard I	≥ 12	Other <i>Pseudomonas</i> spp. and non- fermenters	No zone	<i>P. aeruginosa</i>	<i>S. maltophilia</i> ATCC 13637	<i>P. aeruginosa</i> ATCC 27853
Colistin 10 µg (Colistin sulphate)	9	Co.10	Standard II	≥ 10	E.g. <i>Fusobacterium</i> spp. ^d	No zone	E.g. <i>B. fragilis</i> group ^d	<i>E. coli</i> ATCC 25922	<i>S. aureus</i> ATCC 25923
Cloxacillin 500 µg	9	CL500		Detection of plasmid mediated AmpC beta-lactamases.					
Cycloheximide 15 µg (Cycloheximide < 0.02 %)	9	CYC15	Standard I on modified Shadomy agar	≥ 25	<i>C. glabrata</i> <i>C. krusei</i> <i>C. lusitaniae</i>	< 25	<i>C. albicans</i> <i>C. pseudotropicalis</i>	<i>C. krusei</i> ATCC 6258	<i>C. albicans</i> ATCC 64548
Deferoxamine 250 µg (Deferoxamine mesylate)	9	DEFRX	Standard I ^a	≥ 16	<i>S. epidermidis</i> <i>S. hominis</i> <i>S. lutrae</i>	≤ 14	Other staphylococci	<i>S. epidermidis</i> ATCC 12228	<i>S. aureus</i> ATCC 25923
Dipicolinic acid 250 µg	9	D.P.A		Detection of metallo beta lactamases				<i>Ps Aeruginosa</i> FN 8173	<i>E.coli</i> ATCC 25922
Factor V (b-Nicotinamide adenine dinucleotide sodium 175 µg)	6		See text		<i>H. influenzae</i> : Both X-Factor and V- Factor required. Growth around Factor X+V and between the Factor X and Factor V. <i>H. parainfluenzae</i> : Only V- Factor required. Growth around Factor V and Factor X+V.			<i>H. influenzae</i> ATCC 49247 <i>H. parainfluenzae</i> ATCC 7901	
Factor X (Hemin chloride 260 µg)	6								
Factor X + V	6								
Metronidazole 5 µg	9	MTR.5	Standard II	≥ 15	Anaerobic bacteria	No zone	Aerobes and micro-aerophilic bacteria	<i>B. fragilis</i> ATCC 25285	<i>E. coli</i> ATCC 25922

DIATABS (Active ingredients per tablet)	Size mm	Code*	Procedure	Interpretation				QC strain	
				Zone mm	Sensitive	Zone mm	Resistant	Sensitive	Resistant
Metronidazole 50 µg	9	MTR50	Standard III	≥ 12	<i>Gardnerella vaginalis</i>	< 12	Lactobacilli Coryneofoms	<i>G. vaginalis</i> ATCC 14018	<i>E. coli</i> ATCC 25922
O/129 150 µg (2,4-Diamino-6,7-diisopropyl- pteridine phosphate salt)	9	O/129	Standard ^b	≥ 16	<i>Vibrio</i> spp. <i>Plesiomonas</i>	< 16	Aeromonas Enterobacteriaceae	<i>Kocuria rhizophila</i> ATCC 9341	<i>E. coli</i> ATCC 25922
Optochin 10 µg (Ethylhydrocuprein HCl)	6	OPT	Standard TSA with 5 % blood. Incubation with or without CO ₂	≥ 18 (CO ₂)	<i>S. pneumoniae</i>	< 16 (CO ₂)	Other non-haemolytic streptococci	<i>S. pneumoniae</i> ATCC 49619	<i>S. bovis</i> ATCC 15351
				≥ 20 (aerob)		< 18 (aerob)			
Oxgall 1000 µg (Oxgall)	6	OXG	Standard II	> 9	E.g. <i>Porphyromonas</i> spp. ^d	No zone	E.g. <i>Bacteroides</i> <i>fragilis</i> group ^d	<i>S. aureus</i> ATCC 25923	<i>B. fragilis</i> ATCC 25285
Ps. aeruginosa Screen 80 µg (1,10 Phenanthroline)	9	PSAE	Standard I ^c	≥ 18	Other <i>Pseudomonas</i> spp., non-fermenters, and Enterobacteriaceae	≤ 14	<i>P. aeruginosa</i>	<i>E. coli</i> ATCC 25922	<i>P. aeruginosa</i> ATCC 27853
S.P.S. 1000 µg (Sodium polyanethol sulfonate)	6	SPS	Standard III	≥ 10	<i>Gardnerella vaginalis</i>			<i>G. vaginalis</i> ATCC 14018	<i>Kocuria rhizophila</i> ATCC 9341
Tellur 500 µg (Potassium tellurite)	6	TEL	Standard I	> 15	Streptococci and most other enterococci	< 12	<i>E. faecalis</i>	<i>S. bovis</i> ATCC 15351	<i>E. faecalis</i> ATCC 29212

* Code in bold is printed on the tablets.

Procedure:

- Standard I: The test is performed with an inoculum equivalent to McFarland 0.5 on Mueller Hinton Agar incubated aerobically at 35-37 °C overnight if agar or incubation condition is not specified in the table.
- Standard II: The test is performed with an inoculum equivalent to McFarland 0.5 on FAA+blood incubated anaerobically at 35-37 °C for 24-48 hours if agar or incubation condition is not specified in the table.
- Standard III: The test is performed with an inoculum equivalent to McFarland 0.5 on Mueller-Hinton Agar + blood incubated at 35-37 °C with 5-10 % CO₂ overnight if agar or incubation condition is not specified in the table.

- Measure the zone up to colonies of normal size, disregard semiinhibited colonies. Do not use agar with blood.
- Use Oxoid Blood Agar Base with 0.5% NaCl. Incubation for 24 hours. Acquired resistance against trimethoprim will also be resistant to O/129.
- Measure only the clear zone.
- Can be used for separating the major groups of common anaerobic bacteria.

Table 2. Interpretation of results from Diatabs (used in liquid)

DIATABS (Active ingredients per tablet)	Code	Procedure	Incubation time	Interpretation		Quality Control	
				Positive	Negative	Positive	Negative
Acetamide Hydrolysis (Acetamide 1.5 mg)	ACM	Standard	(4 h) or overnight	Red	Yellow, orange	<i>P. aeruginosa</i> ATCC 27853	<i>E. coli</i> ATCC 25922
Adonitol (Adonitol 3 mg)	ADO	Standard	4 h or overnight	Yellow, yellow-orange	Red, orange red	<i>K. pneumoniae</i> ATCC 13883	<i>E. coli</i> ATCC 25922
Alkaline Phosphatase (p-Nitrophenyl-Phosphate 0.1 mg)	Alk P	Standard	4 h	Strong yellow	Colourless, light yellow	<i>E. coli</i> ATCC 25922	<i>S. haemolyticus</i> ATCC 29970
Alpha-Fucosidase (p-Nitrophenyl- α -L-Fucosidase 0.2 mg)	α -FUC	Standard	4 h or overnight	Yellow	Colourless	<i>B. fragilis</i> ATCC 25285	<i>E. coli</i> ATCC 25922
Alpha-Galactosidase (p-Nitrophenyl- α -D-Galactopyranoside 0.3 mg)	α -GAL	Standard	4 h or overnight	Yellow	Colourless	<i>E. coli</i> ATCC 25922	<i>P. aeruginosa</i> ATCC 27853
Alpha-Glucosidase (p-Nitrophenyl- α -D-Glucopyranoside 0.3 mg)	α -GLU	Standard	4 h or overnight	Yellow	Colourless	<i>S. maltophilia</i> ATCC 13637	<i>P. aeruginosa</i> ATCC 27853
Alpha-Mannosidase (p-Nitrophenyl- α -Mannopyranoside 0.3 mg)	α -MAN	Standard	4 h or overnight	Yellow	Colourless	<i>L. monocytogenes</i> ATCC 19115	<i>E. coli</i> ATCC 25922
Arginine Dihydrolase (L-Arginine HCl 3 mg)	ADH	Standard+oil	4 h or overnight	Red	Yellow	<i>P. aeruginosa</i> ATCC 27853	<i>K. pneumoniae</i> ATCC 13883
Beta-Fucosidase (p-Nitrophenyl- β -L-Fucosidase 0.2 mg)	β -FUC	Standard	4 h or overnight	Yellow	Colourless	<i>S. intermedius</i> ATCC 27335	<i>E. coli</i> ATCC 25922
Beta-Glucosidase (p-Nitrophenyl- β -D-Glucopyranoside 0.3 mg)	β -GLU	Standard	4 h or overnight	Yellow	Colourless	<i>K. pneumoniae</i> ATCC 13883	<i>Morganella morganii</i> ATCC 25830
Beta-Glucuronidase (PGUA) (p-Nitrophenyl- β -D glucuronic acid 0.3 mg)	PGUA	Standard	4 h or overnight	Yellow	Colourless	<i>E. coli</i> ATCC 25922	<i>K. pneumoniae</i> ATCC 13883
Beta-Lactamase (Acido) (Penicillinprocaine 4 mg, Penicillin G sodium 4 mg)		Standard	15-20 min and up to 4 h	Yellow (or brownish)	Violet	<i>S. aureus</i> ATCC 29213	<i>S. aureus</i> ATCC 25923
Beta-N-Acetylglucosaminidase (p-Nitrophenyl-N-acetyl- β -D-glucosaminide 0.2 mg)	β -NAG	Standard	4 h or overnight	Strong yellow	Colourless	<i>P. aeruginosa</i> ATCC 27853	<i>S. aureus</i> ATCC 25923
Beta-Xylosidase (p-Nitrophenyl β -D-xylopyranoside 0.3 mg)	β -XYL	Standard	4 h or overnight	Yellow	Colourless	<i>K. pneumoniae</i> ATCC 13883	<i>E. coli</i> ATCC 25922
Bile Esculin (Esculin 2 mg, Oxgall 9 mg)	BE	Standard	4 h or overnight	Black, grey	Colourless, light grey	<i>E. faecalis</i> ATCC 29212	<i>S. pneumoniae</i> ATCC 49619

DIATABS (Active ingredients per tablet)	Code	Procedure	Incubation time	Interpretation		Quality Control	
				Positive	Negative	Positive	Negative
Citrate (Citrate 2 mg)	CIT	Standard	18-24 h	Red	Yellow, orange	<i>P. aeruginosa</i> ATCC 27853	<i>Proteus vulgaris</i> ATCC 13315
d-Xylose (d-Xylose 2 mg)	XYL	Standard	4 h or overnight	Yellow, yellow-orange	Red, orange red	<i>E. coli</i> ATCC 25922	<i>Morganella morganii</i> ATCC 25830
Esculin Hydrolysis (Esculin 2 mg)	ESC	Standard	4 h (or up to 24 h)	Black, grey	Colourless, light grey	<i>K. pneumoniae</i> ATCC 13883	<i>E. coli</i> ATCC 25922
Gamma-Glutamyl Aminopeptidase (Gamma-Glutamyl-β-Naphthylamide 0.2 mg)	γ-GLU	Standard+I	4 h or overnight	Red-orange Red	Yellow Yellow, orange	<i>P. aeruginosa</i> ATCC 27853	<i>E. coli</i> ATCC 25922
Glucose (D-Glucose monohydrate 2 mg)	GLU	Standard	4 h or overnight	Yellow, yellow-orange	Red, orange red	<i>P. aeruginosa</i> ATCC 27853	<i>A. lwoffii</i> ATCC 9957
Hippurate Hydrolysis (Hippuric acid Sodium-salt 3 mg)	HIP	Standard+IV	4 h	Deep purple, blue	Colourless, light yellow	<i>S. agalactiae</i> ATCC 12386	<i>S. pyogenes</i> ATCC 12344
Indoxyl Acetate (Indoxyl acetate 5 mg)	IAC	Standard	4 h or overnight	Blue, green sediment	Colourless, slightly coloured supernatant	<i>Campylobacter jejuni</i> ATCC 33291	<i>E. faecalis</i> ATCC 51299
Inulin (Inulin 3 mg)	INU	Standard	4 h or overnight	Yellow, yellow-orange	Red, orange red	<i>S. mutans</i> ATCC 25175	<i>E. coli</i> ATCC 25922
Lactose (Lactose monohydrate 3 mg)	LAC	Standard	4 h or overnight	Yellow, yellow-orange	Red, orange red	<i>E. coli</i> ATCC 25922	<i>Proteus vulgaris</i> ATCC 13315
l-Arabinose (L-Arabinose 3 mg)	ARA	Standard	4 h or overnight	Yellow, yellow-orange	Red, orange red	<i>E. coli</i> ATCC 25922	<i>S. aureus</i> ATCC 25923
LDC/Indole (L-Lysine 3 mg, L-Tryptophane 0.7 mg)	LDC/	Standard+oil. Read LDC first then+IIa	3-4 h (or up to 24 h)	Blue, violet	Yellow, green, grey	<i>E. coli</i> ATCC 25922 (LDC pos., IND pos.)	<i>Proteus vulgaris</i> ATCC 13315 (LDC neg., IND pos.)
	IND			Red	Yellow		
Leucine Aminopeptidase (L-Leucine-β-naphthylamide-HCL 20 µg)	LAP	Standard+I	4 h or overnight	Red-orange Red	Yellow Yellow, orange	<i>S. bovis</i> ATCC 15351	<i>Aerococcus viridans</i> ATCC 700406
l-Rhamnose (L-Rhamnose 3 mg)	RHAM	Standard	4 h or overnight	Yellow, yellow-orange	Red, orange red	<i>K. pneumoniae</i> ATCC 13883	<i>Proteus vulgaris</i> ATCC 13315
Lysine Decarboxylase (LDC) (L-Lysine 3 mg)	LDC	Standard+oil	4 h or up to 24 h	Blue, violet Strong violet	Yellow, green, grey, light blue	<i>K. pneumoniae</i> ATCC 13883	<i>Enterobacter cloacae</i> ATCC 13047
Maltose (Maltose monohydrate 3 mg)	MAL	Standard	4 h or overnight	Yellow, yellow-orange	Red, orange red	<i>E. coli</i> ATCC 25922	<i>Morganella morganii</i> ATCC 25830
Mannitol (D-Mannitol 3 mg)	MAN	Standard	4 h or overnight	Yellow, yellow-orange	Red, orange red	<i>E. coli</i> ATCC 25922	<i>Proteus vulgaris</i> ATCC 13315
Mannose (D-Mannose 3 mg)	MSE	Standard	4 h or overnight	Yellow, yellow-orange	Red, orange red	<i>E. coli</i> ATCC 25922	<i>Proteus vulgaris</i> ATCC 13315

DIATABS (Active ingredients per tablet)	Code	Procedure	Incubation time	Interpretation		Quality Control	
				Positive	Negative	Positive	Negative
Melibiose (D-Melibiose 3 mg)	MEL	Standard	4 h or overnight	Yellow, yellow-orange	Red, orange red	<i>E. coli</i> ATCC 25922	<i>Proteus vulgaris</i> ATCC 13315
Nitrate Reduction (Sodium Molybdate 40 µg, Potassium nitrate 4 mg)	NO ₃	Standard+V	4 h or overnight	Red, pink	Colourless, light pink	<i>E. coli</i> ATCC 25922	<i>S. saprophyticus</i> ATCC 15305
ONPG (Beta-Galactosidase) (o-Nitrophenyl-β-D-Galactopyranoside 0.4 mg)	ONPG	Standard	4 h or overnight	Yellow	Colourless	<i>E. coli</i> ATCC 25922	<i>S. aureus</i> ATCC 25923
ONPG/PYR (o-Nitrophenyl-β-D-Galactopyranoside 0.4 mg, L-pyrrolidonyl-β-naphthylamide 0.2 mg)	ONPG/ PYR	Standard Read ONPG first, then+I	3-4 h (for non-fermentors 18-24 h)	Yellow Red	Colourless Yellow, orange	<i>S. haemolyticus</i> ATCC 29970 (ONPG neg., PYR pos.)	<i>Proteus vulgaris</i> ATCC 13315 (ONPG neg., PYR neg.)
Ornithine Decarboxylase (ODC) (L-Ornithine HCl 3 mg)	ODC	Standard+oil	4 h or up to 24 h	Blue, violet Strong violet	Yellow, green, grey, light blue	<i>E. coli</i> ATCC 25922	<i>K. pneumoniae</i> ATCC 13883
Oxidase (Tetramethyl-p-Phenylenediamine 0.7 mg)	OXI	See text	Reading after 2 min	Blue, purple	No colour change	<i>P. aeruginosa</i> ATCC 27853	<i>E. coli</i> ATCC 25922
PGUA/Indole (p-Nitrophenyl-β-D-Glucuronic acid 0.4 mg, L-Tryptophane 1 mg)	PGUA/ IND	Standard Read PGUA first, then+IIa	3-4 h (or up to 24 h)	Yellow Red	Colourless Yellow	<i>E. coli</i> ATCC 25922 (PGUA pos., IND pos.) <i>Proteus vulgaris</i> ATCC 13315 (PGUA neg., IND pos.)	<i>Enterobacter cloacae</i> ATCC 13047 (PGUA neg., IND neg.)
Porphyrin (d-Ala) (d-Aminolevulinic acid 0.1 mg)	ALA	Standard+IIb	4-6 h or up to 24 h	Red, pink in the lower water phase	Colourless water phase	<i>H. parainfluenzae</i> ATCC 7901	<i>H. influenzae</i> ATCC 49247
Proline Aminopeptidase (L-proline β-Naphthylamide-HCl 80 µg)	PRO	Standard+I	4 h or overnight	Red-orange Red	Yellow Yellow, orange	<i>P. aeruginosa</i> ATCC 27853	<i>Cl. perfringens</i> ATCC 12917
Pyrazinamidase (Pyrazinamide 0.9 mg)	PZA	Standard ^a	4 h or overnight	Orange, red	Colourless, light yellow	<i>E. coli</i> ATCC 25922	<i>S. aureus</i> ATCC 25923
Pyrrolidonyl Aminopeptidase (L-Pyrrolidonyl-β-Naphthylamide 0.2 mg)	PYR	Standard+I	4 h or overnight	Red-orange Red	Yellow Yellow, orange	<i>Enterobacter cloacae</i> ATCC 13047	<i>E. coli</i> ATCC 25922
Raffinose (D-Raffinose pentahydrate 3 mg)	RAF	Standard	4 h or overnight	Yellow, yellow-orange	Red, orange red	<i>Enterobacter cloacae</i> ATCC 13047	<i>E. coli</i> ATCC 25922
Sorbitol (D-Sorbitol 2mg)	SOR	Standard	4 h or overnight	Yellow, yellow-orange	Red, orange red	<i>E. coli</i> ATCC 25922	<i>Proteus vulgaris</i> ATCC 13315
Sucrose (Saccharose 3 mg)	SUC	Standard	4 h or overnight	Yellow, yellow-orange	Red, orange red	<i>Enterobacter cloacae</i> ATCC 13047	<i>Morganella morganii</i> ATCC 25830
TDA or Indole: Indole (L-Tryptophane 1 mg)	IND	Standard+IIa	4 h or overnight	Red (purple, pink) colour of the surface layer	Yellow	<i>Proteus vulgaris</i> ATCC 13315	<i>K. pneumoniae</i> ATCC 13883

DIATABS (Active ingredients per tablet)	Code	Procedure	Incubation time	Interpretation		Quality Control	
				Positive	Negative	Positive	Negative
TDA or Indole: TDA (L-Tryptophane 1 mg)	TDA	Standard+III	4 h or overnight	Brown, red	Yellow, orange	<i>Proteus vulgaris</i> ATCC 13315	<i>K. pneumoniae</i> ATCC 13883
Tetrathionate Reductase (Tetrathionate 2 mg)	TTR	Standard	4 h or overnight	Yellow	Red-orange	<i>Proteus vulgaris</i> ATCC 13315	<i>E. coli</i> ATCC 25922
Trehalose (D-Trehalose dihydrate 2 mg)	TRE	Standard	4 h or overnight	Yellow, yellow-orange	Red, orange red	<i>E. coli</i> ATCC 25922	<i>Morganella morganii</i> ATCC 25830
Tributyryn (Tributyryn 2 mg)	TRIB	Standard	4 h (or overnight)	Yellow, yellow orange	Red	<i>P. aeruginosa</i> ATCC 27853	<i>E. coli</i> ATCC 25922
Trypsin (Na-Benzoyl-DL-Arginine-β-Naphthylamide 0.2 mg)	TRYP	Standard+I	4 h or overnight	Red-orange Red	Yellow Yellow, orange	<i>S. maltophilia</i> ATCC 13637	<i>E. coli</i> ATCC 25922
Urease (Urea 8 mg)	URE	Standard	4 h (or overnight)	Red/purple ^b	Yellow, orange	<i>Proteus vulgaris</i> ATCC 13315	<i>E. coli</i> ATCC 25922
Urease/Indole (Urea 4 mg, L-Tryptophane 1 mg)	URE/	Standard Read URE first, then +IIa	4 h (or overnight)	Red, purple	Yellow	<i>Morganella morganii</i> ATCC 25830 (URE pos., IND pos.) <i>K. pneumoniae</i> ATCC 13883 (URE pos., IND neg.)	<i>E. coli</i> ATCC 25922 (URE neg., IND pos.)
	IND			Red	Yellow, orange		
Urease/TDA (Urea 4 mg, L-Tryptophane 1 µg)	URE/	Standard Read URE first, then+III	4 h (or overnight)	Red, purple	Yellow	<i>Proteus vulgaris</i> ATCC 13315 (URE pos., TDA pos.) <i>K. pneumoniae</i> ATCC 13883 (URE pos., TDA neg.)	<i>E. coli</i> ATCC 25922 (URE neg., TDA neg.)
	TDA			Red, brown	Yellow, orange		
Voges-Proskauer (Sodium Pyruvate 2 mg, Creatine 0.1mg)	VP	Standard+VI	4 h	Red, pink	Colourless (no change in colour)	<i>Enterobacter cloacae</i> ATCC 13047	<i>E. coli</i> ATCC 25922

Procedure:

- Standard: Prepare a bacterial suspension (at least McFarland 4) from an overnight plate in 0.25 ml saline in a tube. Add one Diatabs, close the tube and incubate at 35-37 °C.
- Standard+oil: Prepare a bacterial suspension (at least McFarland 4) from an overnight plate in 0.25 ml saline in a tube. Add one Diatabs and 3 drops of paraffin oil, close the tube and incubate at 35-37 °C.

- a) Prepare the bacterial suspension in distilled water. After incubation add one drop of ferrous ammonium sulphate solution 5% w/v in purified water (freshly prepared and stored at –20 °C).
For Corynebacteriae use inoculum McFarland 8.
- b) Overnight only strong red or purple are positive.

Reagents to be added after incubation:

- I. Add 3 drops Aminopeptidase reagent (Rosco #92231) and read colour reaction within 5 min.
- IIa. Add 3 drops of Kovacs' reagent (Rosco #92031), shake and read colour of the surface layer after 3 min.
- IIb. Add 4 drops of Kovacs' reagent (Rosco #92031), shake and wait for up to 10 min.

- III. Add 2 drops of Ferric Chloride 10% solution and read colour within 5 min.
- IV. Add 5 drops of Ninhydrin 3.5% solution (Rosco #91731), close the tube and reincubate for 10 min. Read within 5 min.
- V. Add 1 drop of N,N-Dimethyl- α -Naphthylamine and 1 drop Sulfanilic solution. Read within 2 min.
- VI. Add 2 drops of alpha-naphthol solution (5% in ethanol) and afterwards 1 drop of 40% KOH and shake.

Table 3. Interpretation of results from RESIST-ID Diatabs (18 \pm 2 hours on agar)

<i>ESBL</i>	Cefotaxime 30 μ g	Cefotaxime 30 μ g + Clavulanate	Cefotaxime 30 μ g + Cloxacillin	POSITIVE ESBL QC strain	NEGATIVE ESBL QC strain
Cefotaxime 30 μ g				<i>K. pneumonia</i> ATCC700603	<i>E. coli</i> ATCC25922
Cefotaxime 30 μ g + Clavulanate	>5 mm			<i>K. pneumonia</i> ATCC700603	<i>E. coli</i> ATCC25922
Cefotaxime 30 μ g + Cloxacillin	< 4 mm			<i>K. pneumonia</i> ATCC700603	<i>E. coli</i> ATCC25922
Cefotaxime 30 μ g + Clavulanate + Cloxacillin		< 4 mm	\geq 5 mm	<i>K. pneumonia</i> ATCC700603	<i>E. coli</i> ATCC25922
<i>AmpC</i>	Cefotaxime 30 μ g	Cefotaxime 30 μ g + Clavulanate	Cefotaxime 30 μ g + Cloxacillin	POSITIVE AmpC QC Strain	Negative AmpC QC strain
Cefotaxime 30 μ g					
Cefotaxime 30 μ g + Clavulanate	< 4 mm				
Cefotaxime 30 μ g + Cloxacillin	>5 mm				

		≥ 5 mm	< 4 mm		
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<i>ESBL + AmpC</i>	Cefotaxime 30 μ g	Cefotaxime 30 μ g + Clavulanate	Cefotaxime 30 μ g + Cloxacillin	POSITIVE ESBL + AmpC QC strain	Negative ESBL + AmpC strain
Cefotaxime 30 μ g					
Cefotaxime 30 μ g + Clavulanate	< 4 mm				
Cefotaxime 30 μ g + Cloxacillin					
Cefotaxime 30 μ g + Clavulanate + Cloxacillin		≥ 5 mm	≥ 5 mm		

Most important reactions