

Table S1. Source of antimicrobial agent discs for this study.

	Anses	Cefas	CVI	DIMEVET	DTU	IMR	WBVR
AMP	E	C	A	C	C	C	C
CTZ	D	C	A	C	C	C	C
CHL	D	C	A	C	C	C	C
ENR	E	C	A	C	C	C	C
FLO	D	C	A	C	C	C	C
GEN	E	C	A	C	C	C	C
MER	D	C	A	C	C	C	C
OXO	C	C	B	C	C	C	C
OXY	A	C	A	C	C	C	C
TRS	E	C	A	C	C	C	C

A = Becton Dickinson (Franklin Lakes NJ, USA)

B = Bio Lab (Budapest, Hungary)

C = Thermo Scientific™ Oxoid™ (Landsmeer, the Netherlands)

D = Mast Group (Bootle, UK)

E = Bio-Rad (Marnes-la-Coquette, France)

Table S2. The distributions of MIC values determined for isolates of *V. anguillarum* and the MIC values determined for the quality control reference strains by nine participating laboratories. For each antimicrobial the modal value of each laboratory's data set are indicated in red.

**S2.1 Ampicillin**

MIC µg/ml	Anses	Cefas	IMR	WBRV	DIMEVET	VISAVET	DTU	IZSVe	CVI
≥0.03									
0.06									
0.125									
0.25									
0.5									
1									
2									
4									
8	1				5				
16				5	17		3		
>16	50	18	40	17	5	15	17	25	30
<i>E. coli</i> ATCC 25922	Acceptable range 2 – 16 µg/ml								
	4; 4; 8		4	4; 4	2	4	4	2	4
<i>A. salmonicida</i> ATCC 33658	Acceptable range 0.125 – 1 µg/ml								
	0.125; 0.125	0.5; 1		0.25;⊖ 0.25	0.125		0.25	0.25	0.125

**S2.2 Ceftazidime**

MIC µg/ml	Anses	Cefas	IMR	WBRV	DIMEVET	VISAVET	DTU	IZSVe	CVI
≥0.03									
0.06									
0.125									1
0.25					1				1
0.5		1	1		17		1		1
1	27	16	33	21	9	5	18	21	23
2	23	1	4	1		9		3	3
4	1		2			1			1
8									
16									
>16							1	1	
<i>E. coli</i> ATCC 25922	No acceptable range has been established yet								
	0.25; 0.5; 0.5		0.25	0.25; 0.25	0.5	0.25	0.25	0.5	0.25
<i>A. salmonicida</i> ATCC 33658	No acceptable range has been established yet								
		0.25		0.12; 0.12	0.5	4	0.12	0.12	0.25

**S2.3 Chloramphenicol**

MIC µg/ml	Anses	Cefas	IMR	WBRV	DIMEVET	VISAVET	DTU	IZSVe	CVI
≤0.5	24	18	40	17	25	12	18	25	13
1	26			5	2	3	1		17
2							1		
4									
8									
16									
32	1								
64									
>64									
<i>E. coli</i> ATCC 25922	No acceptable range has been established yet								
	8; 8; 8		4	8; 8	2	4	4	8	8
<i>A. salmonicida</i> ATCC 33658	No acceptable range has been established yet								
	1;1; ≤0.5	1		≤0.5; ≤0.5	≤0.5	2	1	1	1

**S2.4 Enrofloxacin**

MIC µg/ml	Anses	Cefas	IMR	WBRV	DIMEVET	VISAVET	DTU	IZSVe	CVI
≤0.002		1	24			5	1	2	
0.004	8	1	10	8		2	5	8	
0.008	5		4				3		
0.015	4				1		1	2	
0.03	12	10	2	2	20	2	2	3	
0.06	20	6		12	6	6	3	7	22
0.125	1								7
0.25								2	1
0.5									
>0.5	1						5	1	
<i>E. coli</i> ATCC 25922	Acceptable range 0.008 – 0.032 µg/ml								
	0.008; 0.008; 0.008		0.008	0.008; 0.008	0.015	0.015	0.008	0.008	0.008
<i>A. salmonicida</i> ATCC 33658	Acceptable range 0.004 – 0.032 µg/ml								
	0.008; 0.008; 0.008	0.008	0.015	0.008; 0.008	0.004		0.008	0.008	0.008

**S2.5 Florfenicol**

MIC µg/ml	Anses	Cefas	IMR	WBRV	DIMEVET	VISAVET	DTU	IZSVe	CVI
≤0.06									1
0.125							1		
0.25	1	2	5	6	5	4	11	17	
0.5	49	16	34	16	22	11	7	8	29
1	1		1				1		
2									
4									
8									
16									
>16									1
<i>E. coli</i> ATCC 25922	Acceptable range 4 – 16 µg/ml								
	8; 8; 8		4	8; 8	16	4	4	8	8
<i>A. salmonicida</i> ATCC 33658	Acceptable range 0.5 - 2 µg/ml								
	0.5; 1; 1	0.5; 1		0.5; 0.5	0.5		1	0.5	1

**S2.6 Gentamicin**

MIC µg/ml	Anses	Cefas	IMR	WBRV	DIMEVET	VISAVET	DTU	IZSVe	CVI
≥0.06			1						
0.125			3						
0.25			2				8		
0.5	6	2	13	6	12	1	12	10	1
1	31	14	20	11	15	12		15	
2	13	2	1	5		2			24
4	1								5
8									
>8									
<i>E. coli</i> ATCC 25922	Acceptable range 0.25 – 1 µg/ml								
	0.5; 1; 1		1	0.5; 0.5	0.5	0.5	0.25	0.5	0.5
<i>A. salmonicida</i> ATCC 33658	Acceptable range 0.25 – 1 µg/ml								
	0.25; 0.25; 0.25	1; 1		0.5; 0.5	0.5		0.25	0.5	0.5

**S2.7 Meropenem**

MIC µg/ml	Anses	Cefas	IMR	WBRV	DIMEVET	VISAVET	DTU	IZSVe	CVI
≤0.008									
0.016									
0.032									
0.064				2					
0.125	3		4	2	23		18	7	4
0.25	47	17	36	18	4	15	2	17	20
0.5	1	1							6

1								1	
>1									
<i>E. coli</i> ATCC 25922	No acceptable range has been established yet								
	0.03; 0.03; 0.03		0.125	0.125; 0.125	0.015	0.015	0.015	0.03	0.015
<i>A. salmonicida</i> ATCC 33658	No acceptable range has been established yet								
	0.03; 0.06; 0.06	0.06		0.03; 0.03	0.03	0.06	0.03	0.125	0.03

### S2.8 Oxolinic acid

MIC µg/ml	Anses	Cefas	IMR	WBRV	DIMEVET	VISAVET	DTU	IZSve	CVI
≤0.008									
0.015	5	2	33	7	1	7		12	
0.03	14	3	5	3	12	4	8	4	
0.06	27	13	2	10	14	4	3	6	27
0.125	4			2			4	1	2
0.25									
0.5								2	
1									
>1	1						5		1
<i>E. coli</i> ATCC 25922	Acceptable range 0.064 – 0.25 µg/ml								
	0.125; 0.125; 0.125		0.125	0.125; 0.125	0.125	0.125		0.125	0.125
<i>A. salmonicida</i> ATCC 33658	Acceptable range 0.008 – 0.032 µg/ml								
	0.015; 0.015; 0.015	0.015, 0.03		0.015; 0.015	0.015		0.03	0.015	0.015

### S2.9 Oxytetracycline

MIC µg/ml	Anses	Cefas	IMR	WBRV	DIMEVET	VISAVET	DTU	IZSve	CVI
≤0.015									
0.03								2	
0.06	2	3	4	3	21	5		17	2
0.125	38	13	36	14	5	8	1	6	28
0.25	8			3		2	13		
0.5							5		
1							1		
2									
>2	3	2		1	1				
<i>E. coli</i> ATCC 25922	Acceptable range 0.5 – 2 µg/ml								
	1; 1; 1		0.5	1; 1	0.5	0.5	0.5	0.5	0.5
<i>A. salmonicida</i> ATCC 33658	Acceptable range 0.125 – 1 µg/ml								
	0.25; 0.25; 0.25	0.25; 0.25		0.25; 0.25	0.25			0.25	0.25

### S2.10 Sulfamethoxazole

MIC µg/ml	Anses	Cefas	IMR	WBRV	DIMEVET	VISAVET	DTU	IZSve	CVI
<4	28	16	40	22		11	7	8	
8	19	2			4	4	7	5	
16	3				9		2	3	
32					14		1		2
64								4	22
128								2	5
256								1	
512								1	1
>512	1						3	1	
<i>E. coli</i> ATCC 25922	No acceptable range has been established yet								
	64; 64; 32		>512	<4; <4	32	16	64	64	64
<i>A. salmonicida</i>	No acceptable range has been established yet								

ATCC 33658	256; 256; 256	256		128; 128	128	>512	256	521	<512
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### S2.11 Trimethoprim/sulfamethoxazole

MIC µg/ml	Anses	Cefas	IMR	WBRV	DIMEVET	VISAVET	DTU	IZSVe	CVI <sup>a</sup>
≤0.015			7	1			2		
0.03	28	18	33	21	8	12	15	18	
0.06	21				19	3		7	
0.125	1						3		30
0.25									
0.5	1								
1									
2									
>2			7	1			2		
<i>E. coli</i> ATCC 25922	Acceptable range 0.032 – 0.25 µg/ml								
	0.125; 0.125; 0.125		0.06	0.06; 0.06	0.06	0.06	0.06	0.06	0.125
<i>A. salmonicida</i> ATCC 33658	Acceptable range 0.032 – 0.25 µg/ml								
	0.125; 0.125; 0.125	0.06, 0.125		0.06; 0.06	0.06		0.03	0.125	0.125

<sup>a</sup> These data were excluded from the censored aggregate as their mode was two dilutions higher than the most common mode in the data sets from the other eight laboratories.

Table S3 Distributions of zone sizes determined for isolates of *V. anguillarum* and the zone sizes determined for the quality control reference strains by seven participating laboratories. Zone sizes for reference strains that were outside the acceptable range are given in red. Shaded columns indicate data set from laboratories that were excluded because they failed to demonstrate compliance with the QC requirements (CLSI, 2020b).

### S3.1 Ampicillin

Zones (mm)	Anses	Cefas	CVI	DIMEVET	DTU	IMR	WBVR
6	19	16	12	1		37	9
7	4		3				
8	5		4				
9	4	1	5				
10	6	2	5	7			
11	9			5			1
12	6		1	10			
13	7			1			
14	2	1					
15	1			2			
16							
17				1			
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							
41							
42							
43							
44							
45							
46							
47							
48							
49							
50							
<i>E. coli</i> ATCC 25922		Acceptable range 14 – 23 mm					
	22	12	18	21		17	
<i>A. salmonicida</i> ATCC 33658		Acceptable range 33 – 41 mm					
				34		39	

**S3.2 Ceftazidime**

Zones (mm)	Anses	Cefas	CVI	DIMEVET	DTU	IMR	WBVR
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							1
18							1
19			1				3
20	1				3	2	6
21	2	1	1		2	1	1
22	4				1	5	
23	8		3		5	2	1
24	5	1	3	1	4	17	1
25	15	2	5	3	2	3	4
26	18	5	5	5		5	
27	4	7	7	7	1	1	1
28	4	2	2	9	2		1
29	2		2				
30			1	2		1	1
31		1					
32		1					
33							
34							
35							
36							
37							
38							
39							
40							
41							
42							
43							
44							
45							
46							
47							
48							
49							
50							
<i>E. coli</i> ATCC 25922	No acceptable range has been established yet						
	30; 31; 32		31	30	26; 29	26	23
<i>A. salmonicida</i> ATCC 33658	No acceptable range has been established yet						
	37; 37		37	35	31; 37		35

**S3.3 Chloramphenicol**

Zones (mm)	Anses	Cefas	CVI	DIMEVET	DTU	IMR	WBVR
6							
7							
8							
9							
10							
11							
12	1						
13							
14							
15							
16							
17							
18							
19							1
20		1					
21							
22							
23							
24							
25							
26							
27							
28							
29							
30	1				1	1	
31	4						2
32	7	1				2	2
33	6				1		1
34	12	3			1	11	6
35	8		1	1	5	3	1
36	9	2		2	3	10	2
37	4	2	1			2	1
38	3	3		15	5	5	2
39	4	3	3			1	2
40	4	3	10	8	4	2	1
41		1	4				
42			4	1			
43		1	2				
44			1				
45			1				
46			3				
47							
48							
49							
50							
<i>E. coli</i> ATCC 25922	No acceptable range has been established yet						
	23; 25; 27	27	24	27	22	26	23
<i>A. salmonicida</i> ATCC 33658	No acceptable range has been established yet						
	35; 38		40	36	38		33



**S3.4 Enrofloxacin**

Zones (mm)	Anses	Cefas	CVI	DIMEVET	DTU	IMR	WBVR
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21					1		
22							
23	1						
24					1		
25					2		
26							
27							
28						1	
29							
30							1
31	5		1			1	2
32	9			1	1	1	1
33	5	2		2	1		2
34	9	4		7	4	2	5
35	7	3		12	3		2
36	6	3		1	3	1	1
37	9	2	1	3	1	1	1
38	5	1	1	1		8	1
39	4		4				
40	3		8		2	10	1
41			11			2	1
42			2		1	7	
43		1					2
44						3	
45		1	1				
46		1	1				
47		1					
48							
49	1						
50							
<i>E. coli</i> ATCC 25922	No acceptable range has been established yet						
	30; 31; 32	34	39	38	30; 30	40	36
<i>A. salmonicida</i> ATCC 33658	Acceptable range 35 – 45 mm						
	26; 36; 38		44	37	36		39

**S3.5 Florfenicol**

Zones (mm)	Anses	Cefas	CVI	DIMEVET	DTU	IMR	WBVR
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28						1	
29	1						
30		-				2	1
31	1		1				2
32	3				2	5	
33	7						
34	8		2			4	3
35	11			1	5	6	5
36	12	4		1	2	9	4
37	9	2	1	2	2	4	2
38	10	8	3	7	1	4	1
39	1	2				1	2
40			7	11	8		
41		2	4				
42		1	5	5		1	
43			3				1
44			2				
45			2				
46							
47							
48							
49							
50							
<i>E. coli</i> ATCC 25922	Acceptable range 20 - 30 mm						
	20; 2; 23	22	23	25	19; 20	22	28
<i>A. salmonicida</i> ATCC 33658	Acceptable range 33 – 41 mm						
	33; 34; 37		38	36	30; 35		34

**S3.6 Gentamicin**

Zones (mm)	Anses	Cefas	CVI	DIMEVET	DTU	IMR	WBVR
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18					2	1	
19		1			8	4	
20	2		1		10	17	
21	9	5	5			11	2
22	12	2	6				6
23	15	6	2			4	6
24	11	3	2	3		1	4
25	10	2	6	7		4	2
26	3	1	5	11			1
27				6			
28			2				
29			1				
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							
41							
42							
43							
44							
45							
46							
47							
48							
49							
50							
<i>E. coli</i> ATCC 25922	Acceptable range 22- 29 mm						
	22; 23; 24	27	24	26	20	20	25
<i>A. salmonicida</i> ATCC 33658	Acceptable range 24 – 30 mm						
	24; 24; 24			27	21		25

**S3.7 Meropenem**

Zones (mm)	Anses	Cefas	CVI	DIMEVET	DTU	IMR	WBVR
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22			1		1	1	
23			2		2		
24	2		8		2	7	5
25	8	1	8		5	2	4
26	12	3	1		1	19	4
27	15	3	1	1		3	1
28	17	6	3	2	1	4	
29	5	5	4	3	2	1	1
30	2			15	6		1
31				1			1
32			1	2			2
33	1						2
34			1	3			
35		1					
36	1	1					
37							
38							
39							
40							
41							
42							
43							
44							
45							
46							
47							
48							
49							
50							
<i>E. coli</i> ATCC 25922	No acceptable range has been established yet						
	33; 34; 36		33	35	35; 32	35	30
<i>A. salmonicida</i> ATCC 33658	No acceptable range has been established yet						
	33; 36			35	20; 26		30

**S3.8 Oxolinic acid**

Zones (mm)	Anses	Cefas	CVI	DIMEVET	DTU	IMR	WBVR
6	1				2		
7					1		
8							
9							
10							
11							
12							
13							
14							
15					1		
16							
17							
18							
19							
20							
21							
22							
23							1
24	1						
25	2						
26						2	
27				1			1
28				1			1
29	1		1				3
30	5		1	9		4	2
31	10	1	4	2		1	3
32	13	3	10	11	1	6	3
33	14	5	2	1	1	4	1
34	11	5	6			14	1
35	1	2	4	2	4	3	
36	3				3		
37	1		1		2	1	1
38					3	1	
39		1					2
40		2			2		2
41							
42		1					
43							
44							
45							
46							
47							
48							
49							
50							
<i>E. coli</i> ATCC 25922	Acceptable range 25- 32 mm						
	28; 27; 27	29	27	30	25; 26	29	28
<i>A. salmonicida</i> ATCC 33658	Acceptable range 32 – 40 mm						
	35; 35; 36		36	35	35; 38		34

**S3.9 Oxytetracycline**

Zones (mm)	Anses	Cefas	CVI	DIMEVET	DTU	IMR	WBVR
6	3	2		1			
7							
8							
9							
10							
11							
12							
13							
14							
15							1
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26						5	
27							
28	4	1	2			9	2
29	9		3			2	3
30	15	2	7	3	2	9	3
31	16	5	11		1	2	2
32	8	2	4		1	9	5
33	2	7	2	7	4		1
34	2			6	1	1	1
35	1	1		10	6		
36	1		1		2		3
37			2		2		
38	2				1		
39							
40							
41							
42							
43							
44							
45							
46							
47							
48							
49							
50							
<i>E. coli</i> ATCC 25922	Acceptable range 23- 29 mm						
	23; 24; 24	25	25	27	25; 26	25	23
<i>A. salmonicida</i> ATCC 33658	Acceptable range 28 – 34 mm						
	30; 30; 30		35	33	32; 34		31

**S3.10 Trimethoprim/sulfamethoxazole**

Zones (mm)	Anses	Cefas	CVI	DIMEVET	DTU	IMR	WBVR
6							1
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23	2						
24							
25					1		
26					1	1	
27	1						
28	3					1	
29	5					3	1
30	5			3	2	5	1
31	2		1		1	7	
32	13		3	2	1	10	
33	6			4	1	3	2
34	15		1	8	2	5	9
35	6	1	8	4	5	1	1
36	2	2	6	1	3		2
37	3	5	2	3	1	1	
38		4	5	2			1
39		5	3		2		1
40		2					1
41		1	1				1
42							
43							
44							
45							
46							
47							
48							
49							
50							
<i>E. coli</i> ATCC 25922	Acceptable range 25 – 32 mm						
	28; 30; 31	36	28	30	30	30	32
<i>A. salmonicida</i> ATCC 33658	Acceptable range 24 – 39 mm						
	27; 28; 29		25	32	29		33