

Antimicrobial Resistance Surveillance in Food Animals

Pigs

	2019	2020	2021
Number of samples ¹ collected	68	152	204
Samples positive for suspected extended spectrum beta-lactamase (ESBL)-producing ² <i>E. coli</i>	1 (1.5%)	4 (2.6%)	4 (2.0%)
Samples positive for carbapenem-resistant ³ <i>E. coli</i>	0 (0%)	0 (0%)	0 (0%)
Samples positive for vancomycin-resistant Enterococcus (VRE)	0 (0%)	0 (0%)	0 (0%)

¹Samples collected were faecal samples and cultured on non-selective media

²Suspected ESBL is determined by resistance to ceftiofur (3rd generation cephalosporin)

³Carbapenem-resistance is determined by resistance to meropenem

Chickens

	2019	2020	2021
Number of samples ¹ collected	52	61	207
Samples positive for suspected extended spectrum beta-lactamase (ESBL)-producing ² <i>E. coli</i>	11 (21.2%)	9 (14.8%)	50 (24.2%)
Samples positive for carbapenem-resistant ³ <i>E. coli</i>	0 (0%)	0 (0%)	0 (0%)
Samples positive for vancomycin-resistant Enterococcus (VRE)	0 (0%)	0 (0%)	0 (0%)

¹Samples collected were cloacal swabs and faecal samples, and cultured on non-selective media

²Suspected ESBL is determined by resistance to ceftiofur (3rd generation cephalosporin)

³Carbapenem-resistance is determined by resistance to meropenem

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Marine Fish

	2019	2020	2021
Number of samples ¹ collected	112	63	89
Samples positive for suspected extended spectrum beta-lactamase (ESBL)-producing ² <i>Vibrio</i> spp. ³	0 (0%)	0 (0%)	0 (0%)
Samples positive for carbapenem-resistant <i>Vibrio</i> spp. ³	0 (0%)	0 (0%)	0 (0%)

¹Samples collected were fish slime samples and cultured on non-selective media

²Suspected ESBL is determined by resistance to ceftazidime (3rd generation cephalosporin)

³Only *Vibrio* spp. is shown as there are no available breakpoints to determine susceptibility of *Photobacterium* spp.

Pond Fish

	2019	2020	2021
Number of samples ¹ collected	20	16	44
Samples positive for suspected extended spectrum beta-lactamase (ESBL)-producing ² <i>Aeromonas</i> spp.	0 (0%)	0 (0%)	0 (0%)
Samples positive for carbapenem-resistant <i>Aeromonas</i> spp.	0 (0%)	1 (6.3%)	2 (4.5%)

¹Samples collected were fish slime samples and cultured on non-selective media

²Suspected ESBL is determined by resistance to ceftazidime (3rd generation cephalosporin)