

Chapter 4

Scope

4.1 The proposed surveillance programme will initially focus on food producing animals, (i.e. cattle, pigs, poultry, sheep, fish and game). However, where there are opportunities to use samples from non-food producing animals collected for other purposes these will be included. Consideration will be given at a later stage to formally include other animals (including companion and wild animals) in the proposed surveillance programme. The surveillance programme will not cover horticulture, as it does not include animals. Neither will it include food (of animal origin) as this is the responsibility of the FSA. There is at times a fine distinction between animals and food, e.g. a chicken carcass in a processing plant would be 'animal' but the same carcass at retail sale would be 'food'. Information from such food data streams will be taken into account when considering the overall situation.

4.2 To enable the proposed surveillance programme to produce data on risks to public health linked with resistance as well as patterns of disease in animals and emerging problems of lack of efficacy of antimicrobials, used to treat disease in animals, it will include bacteria chosen from the following categories:

- bacteria pathogenic to animals;
- zoonotic organisms; and
- commensal bacteria where these are considered especially likely to provide a reservoir of resistance genes or to provide a useful indication of the exposure of the normal flora to a selective pressure.

4.3 Table 2 identifies the bacteria that will be considered for inclusion in the surveillance programme. These are in line with the recent OIE Guidelines⁸.

⁸ Franklin, A. et al. Antimicrobial Resistance: Harmonisation of national antimicrobial resistance monitoring and surveillance programmes in animals and in animal derived food. 2001. In: Antimicrobial Resistance: Reports Prepared by the OIE Ad Hoc Group of Experts in Antimicrobial Resistance. OIE Scientific and Technical Review, Vol. 20, Pp 859-870.

Table 4: Surveillance and resources necessary to implement this strategy (continued)

Programme	Bacteria tested	Animal species and sources	Contribution to meet Strategy objectives	Current Proposed and Frequency	Funded By	Costs to meet the strategy	Priority Rating
Defra survey of the prevalence of food borne pathogens and antimicrobial resistance.		Poultry at slaughter. Excludes eggs.	Base line information on the prevalence of bacteria from poultry at slaughter and patterns of resistance. (Objectives ^(d) : 1, 2)	Proposed annual. (Unlikely to start before 2006).	Defra	GB = £135,000	1
MIC testing of <i>Salmonella</i> for ciprofloxacin and ceftriaxone resistance.			(Objectives ^(d) : 2, 3)	Proposed annual.	Defra	England + Wales = £4,000	1
Relate patterns in animal data with those in humans and foodstuffs.			(Objectives ^(d) : 2, 6, 7)	Proposed annual.	Defra	Unknown	1
Brachyspira : MIC against Tiamulin, anaerobic sensitivity testing.			(Objectives ^(d) : 2, 3)	Proposed annual.	Defra	England + Wales = £2,000	3
Disc diffusion test on isolates from wildlife.			(Objectives ^(d) : 1, 2, 6, 7)	Proposed annual.	Defra	England + Wales = £2,000	4
Collection of susceptibility data for fish pathogens.			(Objectives ^(d) : 1, 2, 3, 4, 5)	Proposed annual.	Defra CEFAS	Unknown	4
Baseline study on the prevalence of <i>Salmonella</i> in laying flocks of <i>Gallus gallus</i> in the EU.	<i>Salmonella</i> spp.	Layers.	Baseline information on the prevalence of <i>Salmonella</i> from layers. (Objectives ^(d) : 1, 2)	Current. To be updated if required. .	Defra in UK	£279,000	1
Baseline study on the prevalence of <i>Salmonella</i> in meat producing chicken flocks of <i>Gallus gallus</i> in the EU.	<i>Salmonella</i> spp.	Meat Producing chickens.	Baseline information on the prevalence of <i>Salmonella</i> from meat producing chickens. (Objectives ^(d) : 1, 2)	Currently proposed start date Autumn 2005.	Defra and Devolved Administrations	To be determined	1

Annex 2

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