

*Status: Point in time view as at 28/12/2004.*

*Changes to legislation: There are currently no known outstanding effects for the Council Regulation (EEC) No 2377/90 (repealed), Division 1.. (See end of Document for details)*

## [<sup>F1</sup>ANNEX III

### LIST OF PHARMACOLOGICALLY ACTIVE SUBSTANCES USED IN VETERINARY MEDICINAL PRODUCTS FOR WHICH PROVISIONAL MAXIMUM RESIDUE LIMITS HAVE BEEN FIXED

#### Textual Amendments

**F1** Substituted by Commission Regulation (EC) No 508/1999 of 4 March 1999 amending Annexes I to IV to Council Regulation (EEC) No 2377/90 laying down a Community procedure for the establishment of maximum residue limits of veterinary medicinal products in foodstuffs of animal origin.

1. Anti-infectious agents
  - 1.1. Chemotherapeutics
    - 1.1.2. Benzenesulphonamides

Pharmacological active substance(s)	Marker residue	Animal species	MRLs	Target tissues	Other provisions
Clorsulon	Clorsulon	Bovine	50 µg/kg	Muscle	Provisional MRLs expire on 1 January 2000
			150 µg/kg	Liver	
			400 µg/kg	Kidney	

- 1.2. Antibiotics
  - 1.2.1. Beta-lactamase inhibitors

Pharmacological active substance(s)	Marker residue	Animal species	MRLs	Target tissues	Other provisions
Clavulanic acid	Clavulanic acid	Bovine, ovine	200 µg/kg	Milk	[ <sup>F2</sup> Provisional MRLs expire on 1 July 2001]
			200 µg/kg	Muscle	
			200 µg/kg	Fat	
			200 µg/kg	Liver	
			200 µg/kg	Kidney	

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### Textual Amendments

**F2** Substituted by Commission Regulation (EC) No 1943/1999 of 10 September 1999 amending Annexes I, II and III of Council Regulation (EEC) No 2377/90 laying down a Community procedure for the establishment of maximum residue limits of veterinary medicinal products in foodstuffs of animal origin (Text with EEA relevance).

### 1.2.2. Macrolides

Pharmacological active substance(s)	Marker residue	Animal species	MRLs	Target tissues	Other provisions
[ <sup>F3</sup> Acetylisovaleryltirosin	Sum of acetylisovaleryltirosin and 3-O-acetyltyrosin	Porcine tylosin	100 µg/kg	Muscle	Provisional MRLs expire on 1.7.2001
			100 µg/kg	Skin and fat	
			100 µg/kg	Liver	
			100 µg/kg	Kidney]	
Erythromycin	MRLs apply to all microbiological active residues expressed as erythromycin equivalent	Bovine, ovine	40 µg/kg	Milk	Provisional MRLs expire on 1 June 2000
		Bovine, ovine, porcine, poultry	400 µg/kg	Muscle	
			400 µg/kg	Fat	
			400 µg/kg	Liver	
			400 µg/kg	Kidney	
		Poultry	200 µg/kg	Eggs	
Josamycin	Josamycin	Chicken	200 µg/kg	Muscle	[ <sup>F4</sup> Provisional MRLs expire on 1.7.2002]
			200 µg/kg	Fat	
			200 µg/kg	Liver	
			400 µg/kg	Kidney	
			200 µg/kg	Eggs	
[ <sup>F5</sup>	Sum of the microbiologically active metabolites,	Porcine	200 µg/kg	Muscle	Provisional MRLs expire on 1.7.2002
			200 µg/kg	Skin and fat	
			200 µg/kg	Liver	

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	expressed as josamycin		400 µg/kg	Kidney]		
[ <sup>F6</sup> Tilmicosin	Tilmicosin	Bovine	40 µg/kg	Milk	Provisional MRLs expire on 1.1.2001]	
[ <sup>F7</sup> Tulathromycin	(2R,3S,4R,5R,8R,10R,11R,12S,13S,14R)-2-ethyl-3,4,10,13-tetrahydro-3,5,8,10,12,14-hexamethyl-11-[[[3,4,6-trideoxy-3-(dimethylamino)-β-D-xylohexopyranosyl]oxy]-1-oxa-6-azacyclopent-decan-15-one expressed as tulathromycin equivalents	Bovine	100 µg/kg	Fat	Provisional MRLs expire on 1 July 2004; not for use in animals from which milk is produced for human consumption	
			3 000 µg/kg	Liver		
			3 000 µg/kg	Kidney		
		Porcine	100 µg/kg	Skin and fat		Provisional MRLs expire on 1 July 2004
			3 000 µg/kg	Liver		
			3 000 µg/kg	Kidney]		

#### Textual Amendments

- F3** Inserted by Commission Regulation (EC) No 1286/2000 of 19 June 2000 amending Annexes I, II and III of Council Regulation (EEC) No 2377/90 laying down a Community procedure for the establishment of maximum residue limits of veterinary medicinal products in foodstuffs of animal origin (Text with EEA relevance).
- F4** Substituted by Commission Regulation (EC) No 2338/2000 of 20 October 2000 amending Annexes I, II and III to Council Regulation (EEC) No 2377/90 laying down a Community procedure for the establishment of maximum residue limits of veterinary medicinal products in foodstuffs of animal origin (Text with EEA relevance).
- F5** Inserted by Commission Regulation (EC) No 953/1999 of 5 May 1999 amending Annexes II and III of Council Regulation (EEC) No 2377/90 laying down a Community procedure for the establishment of maximum residue limits of veterinary medicinal products in foodstuffs of animal origin (Text with EEA relevance).
- F6** Inserted by Commission Regulation (EC) No 2593/1999 of 8 December 1999 amending Annexes I, II and III of Council Regulation (EEC) No 2377/90 laying down a Community procedure for the establishment of maximum residue limits of veterinary medicinal products in foodstuffs of animal origin (Text with EEA relevance).
- F7** Inserted by Commission Regulation (EC) No 1937/2002 of 30 October 2002 amending Annexes II and III to Council Regulation (EEC) No 2377/90 laying down a Community procedure for the establishment of maximum residue limits of veterinary medicinal products in foodstuffs of animal origin (Text with EEA relevance).

#### [<sup>F8</sup>1.2.4. Cephalosporins

Pharmacological active substance(s)	Marker residue	Animal species	MRLs	Target tissues	Other provisions
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Cefacetriple	Cefacetriple	Bovine	125 µg/kg	Milk	[ <sup>F9</sup> Provisional MRLs expire on 1.1.2002] For intramammary use only
[ <sup>F10</sup> Cefalonium	Cefalonium	Bovine	10 µg/kg	Milk	[ <sup>F11</sup> Provisional MRLs expire on 1.1.2003]]
[ <sup>F12</sup> Cefoperazone	Cefoperazone	Bovine	50 µg/kg	Milk	Provisional MRLs expire on 1 January 2001]
[ <sup>F13</sup> Cefquinome	Cefquinome	Porcine	50 µg/kg	Muscle	Provisional MRLs expire on 1.1.2000
			50 µg/kg	Skin + fat	
			100 µg/kg	Liver	
			200 µg/kg	Kidney]	
Cephapirin	Sum of cephapirin and desacetylcephapirin	Bovine	50 µg/kg	Muscle	Provisional MRLs expire on 1.1.2001
			50 µg/kg	Fat	
			50 µg/kg	Liver	
			100 µg/kg	Kidney	
			10 µg/kg	Milk]	

#### Textual Amendments

- F9** Substituted by Commission Regulation (EC) No 807/2001 of 25 April 2001 amending Annexes I, II and III to Council Regulation (EEC) No 2377/90 laying down a Community procedure for the establishment of maximum residue limits of veterinary medicinal products in foodstuffs of animal origin (Text with EEA relevance).
- F10** Inserted by Commission Regulation (EC) No 2728/1999 of 20 December 1999 amending Annexes I, II and III to Council Regulation (EEC) No 2377/90 laying down a Community procedure for the establishment of maximum residue limits of veterinary medicinal products in foodstuffs of animal origin (Text with EEA relevance).
- F11** Substituted by Commission Regulation (EC) No 1322/2001 of 29 June 2001 amending Annexes I and III to Council Regulation (EEC) No 2377/90 laying down a Community procedure for the establishment of maximum residue limits of veterinary medicinal products in foodstuffs of animal origin (Text with EEA relevance).
- F12** Inserted by Commission Regulation (EC) No 1943/1999 of 10 September 1999 amending Annexes I, II and III of Council Regulation (EEC) No 2377/90 laying down a Community procedure for the establishment of maximum residue limits of veterinary medicinal products in foodstuffs of animal origin (Text with EEA relevance).
- F13** Inserted by Commission Regulation (EC) No 954/1999 of 5 May 1999 amending Annex III to Council Regulation (EEC) No 2377/90 laying down a Community procedure for the establishment of maximum residue limits of veterinary medicinal products in foodstuffs of animal origin (Text with EEA relevance).

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### Textual Amendments

**F8** Inserted by Commission Regulation (EC) No 804/1999 of 16 April 1999 amending Annexes I, II and III to Council Regulation (EEC) No 2377/90 laying down a Community procedure for the establishment of maximum residue limits of veterinary medicinal products in foodstuffs of animal origin (Text with EEA relevance).

### 1.2.5. Aminoglycosides

Pharmacological active substance(s)	Marker residue	Animal species	MRLs	Target tissues	Other provisions	
Aminosidine	Aminosidine	Bovine, porcine, rabbits, chicken	500 µg/kg	Muscle	Provisional MRLs expire on 1 July 2000	
			1 500 µg/kg	Liver		
			1 500 µg/kg	Kidney		
Apramycin	Apramycin	Bovine	1 000 µg/kg	Muscle	Provisional MRLs expire on 1 July 1999	
			For use in non-lactating cattle only	1 000 µg/kg		Fat
			10 000 µg/kg	Liver		
			20 000 µg/kg	Kidney		
			Porcine	1 000 µg/kg	Muscle	
			1 000 µg/kg	Skin and fat		
			1 000 µg/kg	Liver		
			5 000 µg/kg	Kidney		
[ <sup>14</sup> F] Dihydrostreptomycin	Dihydrostreptomycin	Bovine, ovine	500 µg/kg	Muscle	Provisional MRLs expire on 1.6.2002	
			500 µg/kg	Fat		
			500 µg/kg	Liver		
			1 000 µg/kg	Kidney		
			200 µg/kg	Milk		
		Porcine	500 µg/kg	Muscle		
			500 µg/kg	Skin and fat		
			500 µg/kg	Liver		
	1 000 µg/kg	Kidney				

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Gentamicin	Gentamicin	Bovine	100 µg/kg	Milk	Provisional MRLs expire on 1.6.2002	
		Bovine, porcine	50 µg/kg	Muscle		
			50 µg/kg	Fat		
			200 µg/kg	Liver		
			750 µg/kg	Kidney]		
[ <sup>F15</sup> Kanamycin	Kanamycin	Rabbits	100 µg/kg	Muscle	[ <sup>F16</sup> Provisional MRLs expire on 1.1.2004]	
100 µg/kg			Fat			
600 µg/kg			Liver			
2 500 µg/kg			Kidney			
Bovine, ovine		100 µg/kg	Muscle			
		100 µg/kg	Fat			
		600 µg/kg	Liver			
		2 500 µg/kg	Kidney			
Porcine, chicken		150 µg/kg	Milk			
		100 µg/kg	Muscle			
		100 µg/kg	Skin + fat			
		600 µg/kg	Liver			
[ <sup>F14</sup> Neomycin (including framycetin)		Neomycin B	Bovine, porcine, chicken	2 500 µg/kg		Kidney]
				500 µg/kg		Muscle
	500 µg/kg			Fat		
	500 µg/kg			Liver		
	5 000 µg/kg		Kidney			
Spectinomycin	Spectinomycin	Bovine	500 µg/kg	Milk	Provisional MRLs expire on 1.6.2002	
		Chicken	500 µg/kg	Eggs]		
Spectinomycin	Spectinomycin	Bovine	200 µg/kg	Milk	Provisional MRLs expire on 1 July 2000	
		Bovine, porcine, poultry	300 µg/kg	Muscle		
			500 µg/kg	Fat		
			2 000 µg/kg	Liver		
			5 000 µg/kg	Kidney		
[ <sup>F10</sup>		Ovine Not for use in animals from	300 µg/kg	Muscle	Provisional MRLs expire on 1.1.2002	

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		which milk is produced for human consumption			
			500 µg/kg	Fat	
			2 000 µg/kg	Liver	
			5 000 µg/kg	Kidney	
		Chicken	200 µg/kg	Eggs]	
[ <sup>F14</sup> Streptomycin	Streptomycin	Bovine, ovine	500 µg/kg	Muscle	Provisional MRLs expire on 1.6.2002
			500 µg/kg	Fat	
			500 µg/kg	Liver	
			1 000 µg/kg	Kidney	
			200 µg/kg	Milk	
		Porcine	500 µg/kg	Muscle	
			500 µg/kg	Skin and fat	
			500 µg/kg	Liver	
			1 000 µg/kg	Kidney]	

#### Textual Amendments

- F14** Substituted by Commission Regulation (EC) No 1960/2000 of 15 September 2000 amending Annexes I and III to Council Regulation (EEC) No 2377/90 laying down a Community procedure for the establishment of maximum residue limits of veterinary medicinal products in foodstuffs of animal origin (Text with EEA relevance).
- F15** Inserted by Commission Regulation (EC) No 1931/1999 of 9 September 1999 amending Annexes I, II and III of Council Regulation (EEC) No 2377/90 laying down a Community procedure for the establishment of maximum residue limits of veterinary medicinal products in foodstuffs of animal origin (Text with EEA relevance).
- F16** Substituted by Commission Regulation (EC) No 2162/2001 of 7 November 2001 amending Annexes I, II and III to Council Regulation (EEC) No 2377/90 laying down a Community procedure for the establishment of maximum residue limits of veterinary medicinal products in foodstuffs of animal origin (Text with EEA relevance).

#### 1.2.6. Quinolones

Pharmacological active substance(s)	Marker residue	Animal species	MRLs	Target tissues	Other provisions
[ <sup>F5</sup> Danofloxacin	Danofloxacin	Porcine	100 µg/kg	Muscle	Provisional MRLs expire on 1.1.2000
			50 µg/kg	Skin and fat	

**a** [<sup>F17</sup>Provisional MRLs expire 1 January 2006.

**b** Not for use in animals from which milk is produced for human consumption.]

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			200 µg/kg	Liver	
			200 µg/kg	Kidney]	
Decoquinat	Decoquinat	Bovine, ovine	500 µg/kg	Muscle	Provisional MRLs expire on 1 July 2000
			500 µg/kg	Fat	
			500 µg/kg	Liver	
			500 µg/kg	Kidney	
[ <sup>F18</sup> Difloxacin	Difloxacin	Bovine Not for use in animals from which milk is produced for human consumption	400 µg/kg	Muscle	Provisional MRLs expire on 1.1.2001
			100 µg/kg	Fat	
			1 400 µg/kg	Liver	
			800 µg/kg	Kidney	
		Porcine	400 µg/kg	Muscle	
			100 µg/kg	Skin and fat	
			800 µg/kg	Liver	
			800 µg/kg	Kidney]	
Enrofloxacin	Sum of enrofloxacin and ciprofloxacin	Ovine	100 µg/kg	Muscle	Provisional MRLs expire on 1 July 1999
			100 µg/kg	Fat	
			300 µg/kg	Liver	
			200 µg/kg	Kidney	
Flumequine	Flumequine	Bovine, ovine, porcine, chicken	50 µg/kg	Muscle	Provisional MRLs expire on 1 January 2000
			50 µg/kg	Fat or skin and fat	
			100 µg/kg	Liver	
			300 µg/kg	Kidney	
		Salmonidae	150 µg/kg	Muscle and skin	
Marbofloxacin	Marbofloxacin	Bovine	150 µg/kg	Muscle	Provisional MRLs expire

**a** [<sup>F17</sup>Provisional MRLs expire 1 January 2006.

**b** Not for use in animals from which milk is produced for human consumption.]



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					on 1 July 2000
			50 µg/kg	Fat	
			150 µg/kg	Liver	
			150 µg/kg	Kidney	
			75 µg/kg	Milk	
		Porcine	150 µg/kg	Muscle	
			50 µg/kg	Skin and fat	
			150 µg/kg	Liver	
			150 µg/kg	Kidney	
[ <sup>F18</sup> [ <sup>F19</sup> Oxolinic acid <sup>a</sup>	Oxolinic acid	Bovine <sup>b</sup>	100 µg/kg	Muscle	
			50 µg/kg	Fat	
			150 µg/kg	Liver	
			150 µg/kg	Kidney]	
		Porcine	100 µg/kg	Muscle	
			50 µg/kg	Skin + fat	
			150 µg/kg	Liver	
			150 µg/kg	Kidney	
		Chicken	100 µg/kg	Muscle	
			50 µg/kg	Skin + fat	
			150 µg/kg	Liver	
			150 µg/kg	Kidney	
		50 µg/kg	Eggs		
			Fin fish	300 µg/kg	Muscle and skin in natural proportions]

**a** [<sup>F17</sup>Provisional MRLs expire 1 January 2006.

**b** Not for use in animals from which milk is produced for human consumption.]

### Textual Amendments

**F17** Inserted by Commission Regulation (EC) No 546/2004 of 24 March 2004 amending Annexes I, II and III to Council Regulation (EEC) No 2377/90 laying down a Community procedure for the establishment of maximum residue limits of veterinary medicinal products in foodstuffs of animal origin (Text with EEA relevance).

**F18** Inserted by Commission Regulation (EC) No 997/1999 of 11 May 1999 amending Annexes I, II and III of Council Regulation (EEC) No 2377/90 laying down a Community procedure for the establishment

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of maximum residue limits of veterinary medicinal products in foodstuffs of animal origin (Text with EEA relevance).

**F19** Substituted by Commission Regulation (EC) No 546/2004 of 24 March 2004 amending Annexes I, II and III to Council Regulation (EEC) No 2377/90 laying down a Community procedure for the establishment of maximum residue limits of veterinary medicinal products in foodstuffs of animal origin (Text with EEA relevance).

### 1.2.9. Polymyxins

Pharmacological active substance(s)	Marker residue	Animal species	MRLs	Target tissues	Other provisions
Colistin	Colistin	Bovine, ovine	50 µg/kg	Milk	[ <sup>F4</sup> Provisional MRLs expire on 1.7.2002]
		Bovine, ovine, porcine, chicken, rabbits	150 µg/kg	Muscle	
			150 µg/kg	Fat	
			150 µg/kg	Liver	
			200 µg/kg	Kidney	
		Chicken	300 µg/kg	Eggs	

### 1.2.10. Penicillins

Pharmacological active substance(s)	Marker residue	Animal species	MRLs	Target tissues	Other provisions
[ <sup>F8</sup> Nafcillin	Nafcillin	Bovine	300 µg/kg	Muscle	Provisional MRLs expire on 1.1.2001
			300 µg/kg	Fat	
			300 µg/kg	Liver	
			300 µg/kg	Kidney	
			30 µg/kg	Milk]	
Penethamate	Benzylpenicillin	Ovine	50 µg/kg	Muscle	Provisional MRLs expire on 1 January 2000
			50 µg/kg	Fat	
			50 µg/kg	Liver	
			50 µg/kg	Kidney	
			4 µg/kg	Milk	

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		Porcine	50 µg/kg	Muscle	
			50 µg/kg	Fat	
			50 µg/kg	Liver	
			50 µg/kg	Kidney	

## 1.2.11. Florfenicol and related compounds

Pharmacological active substance(s)	Marker residue	Animal species	MRLs	Target tissues	Other provisions
Florfenicol	Sum of florfenicol and its metabolites measured as florfenicol-amine	Fish	1 000 µg/kg	Muscle and skin in natural proportions	Provisional MRLs expire on 1 July 2001
[ <sup>F8</sup> Thiamphenicol]	Thiamphenicol	Ovine	50 µg/kg	Muscle	Provisional MRLs expire on 1.1.2001
			50 µg/kg	Fat	
			50 µg/kg	Liver	
			50 µg/kg	Kidney	
		Porcine	50 µg/kg	Muscle	
			50 µg/kg	Skin + fat	
			50 µg/kg	Liver	
			50 µg/kg	Kidney	
		Fin fish	50 µg/kg	Muscle and skin in natural proportions]	

[<sup>F5</sup>1.2.12. Polypeptides

Pharmacological active substance(s)	Marker residue	Animal species	MRLs	Target tissues	Other provisions
Bacitracin	Bacitracin	Bovine	150 µg/kg	Milk	Provisional MRLs expire on 1.7.2001]

[<sup>F8</sup>1.2.13. Lincosamides

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Pharmacological active substance(s)	Marker residue	Animal species	MRLs	Target tissues	Other provisions
Lincomycin	Lincomycin	Ovine	100 µg/kg	Muscle	Provisional MRLs expire on 1.1.2001
			50 µg/kg	Fat	
			500 µg/kg	Liver	
			1 500 µg/kg	Kidney	
			150 µg/kg	Milk	
		Porcine	100 µg/kg	Muscle	
			50 µg/kg	Skin + fat	
			500 µg/kg	Liver	
			1 500 µg/kg	Kidney	
		Chicken	100 µg/kg	Muscle	
			50 µg/kg	Skin + fat	
			500 µg/kg	Liver	
			1 500 µg/kg	Kidney	
			50 µg/kg	Eggs	
[ <sup>F5</sup> Pirlimycin	Pirlimycin	Bovine	100 µg/kg	Muscle	Provisional MRLs expire on 1.7.2000
			100 µg/kg	Fat	
			1 000 µg/kg	Liver	
			400 µg/kg	Kidney	
			100 µg/kg	Milk]]	

#### [<sup>F10</sup>1.2.14] Pleuromutilines

Pharmacological active substance(s)	Marker residue	Animal species	MRLs	Target tissues	Other provisions
Tiamulin	Sum of metabolites that may be hydrolysed to 8-a-hydroxymutilin	Turkey	100 µg/kg	Muscle	Provisional MRLs expire on 1.7.2001
			100 µg/kg	Skin and fat	
			300 µg/kg	Liver]]	

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