



**Food and Agriculture  
Organization of  
the United Nations**



**World Health  
Organization**

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**Agenda Item 7**

**CX/RVDF 10/19/7**

**May 2010**

## JOINT FAO/WHO FOOD STANDARDS PROGRAMME

### CODEX COMMITTEE ON RESIDUES OF VETERINARY DRUGS IN FOODS

#### Nineteenth Session

*Burlington, Vermont, United States of America, 30 August – 3 September 2010*

#### DRAFT PRIORITY LIST OF VETERINARY DRUGS REQUIRING EVALUATION OF RE-EVALUATION BY JECFA

**(Report of the electronic Working Group on Priority List of Veterinary Drugs Requiring Evaluation or Re-evaluation)**

Governments and international organizations wishing to submit comments on this document are invited to do so **no later than 31 July 2010** as follows: U.S. Codex Office, Food Safety and Inspection Service, US Department of Agriculture, Room 4861, South Building, 14<sup>th</sup> Independence Avenue, S.W., Washington DC 20250, USA (Telefax: +1 202 720 3157 ; or *preferably* E-mail: [CRVDF-USSEC@fsis.usda.gov](mailto:CRVDF-USSEC@fsis.usda.gov)), with a copy to the Secretary, Codex Alimentarius Commission, Joint FAO/WHO Food Standards Programme, Viale delle Terme di Caracalla, 00153 Rome, Italy (Telefax: +39.06.5705.4593; E-mail: [Codex@fao.org](mailto:Codex@fao.org), *preferably*).

**Format for submitting comments:** In order to facilitate the compilation of comments and prepare more useful comments' document, Members and Observers, which are not yet doing so, are requested to provide their comments under the following headings: (i) General comments; and (ii) Specific comments. Specific comments should include a reference to the relevant section and/or paragraph of the document that the comments refer to. In order to facilitate the work of the Secretariats to compile comments, Members and Observers are requested to refrain from using colour font/shading as documents are printed in black and white and from using track change mode, which might be lost when comments are copied / pasted into a consolidated document. In order to reduce the translation work and save paper, Members and Observers are requested not to reproduce the complete document but only those parts of the texts for which any change and/or amendments is proposed.

### Background

1. The Codex Committee on Residues of Veterinary Drugs in Foods at its 18<sup>th</sup> Session (May 2009) agreed to request the Codex Secretariat to prepare a Circular Letter requesting members and observers to provide comments and information on the priority list of veterinary drugs requiring evaluation or re-evaluation by JECFA.
2. The Committee agreed to establish an electronic working group, led by Australia and open to all interested members and observers and working in English only, to prepare, based on the replies to the Circular Letter, a proposal for a priority list of veterinary drugs requiring evaluation or re-evaluation by JECFA with a view to reaching a decision on the safety of residues in food by developing maximum residue limits (MRLs); or informing risk managers on the safety of residues in food if it is likely that an ADI or MRL cannot be set. The Committee agreed that the report of the electronic working group should be made available in a timely manner in order to allow consideration and comments by all members and observers.
3. The Committee also agreed to establish a physical working group, which would meet immediately before its next session, under the chairmanship of Australia, to consider the report of the electronic working group and comments submitted in order to facilitate the discussion in the Plenary.
4. The Committee noted the offer of the United States of America to assist developing countries in the submission of substances for inclusion in the Priority List in order that these nominations satisfy certain criteria in accordance with the "*Risk Analysis Principles Applied by the CCRVDF*"; and in particular, to assist developing countries in identifying data gaps and facilitating commitment by a sponsor to the

provision of dossiers. It was agreed that the Circular Letter on the priority list of veterinary drugs requiring evaluation or re-evaluation by JECFA would also request developing countries to indicate those priority compounds for which this assistance would be required and provide other relevant information. In view of this development, the Committee noted that at this time no further work was necessary on those compounds listed in the “Starting Point for a Priority List of Veterinary Drugs” for which not enough information was available (ALINORM 09/32/31 paras 138-142 and Appendix VI).

### **Membership**

5. The electronic Working Group on Priorities was open to all members and observers. Participating countries and observer organisations were invited to identify experts and forward their name and email addresses to the Australian Codex contact point by 15 March 2010.

6. The following members and observers participated in the electronic Working Group on Priorities: Brazil, Dominican Republic, European Union, France, Germany, Indonesia, Republic of Korea, Libyan Arab Jamahiriya, United Kingdom, United States, FAO and WHO and the International Federation of Animal Health.

### **Schedule of work**

7. Only one response was received in response to the Circular Letter CL 2009/20 – RVDF. The request to include florfenicol could not be supported by the data package required for evaluation by JECFA. With the agreement of the Philippines, as the proposing country, florfenicol was added to the draft working document listing veterinary drugs of potential interest prepared by the United States.

8. As there were no other submissions for inclusion on the draft Priority List of Veterinary Drugs for Evaluation or Re-evaluation by the JECFA the current list approved by the 32<sup>nd</sup> Session of the Codex Alimentarius Commission (ALINORM 09/32/31, para. 138 and Appendix VI remains the Priority List (Annex 1). Annex 2 shows the list of drugs of potential interest from developing countries essential for specific species raised in developing countries, and for which no Codex MRLs exist (Starting Point for a Priority List of Veterinary Drugs for Discussion at the 19<sup>th</sup> CCRVDF). This will be the starting point for discussion at the meeting of the *Ad Hoc* Working Group immediately prior to the CCRVDF meeting.

9. The Priority List can include compounds for which CCRVDF wishes to seek JECFA’s advice other than recommendation for ADI or MRL (17<sup>th</sup> CCRVDF). However, the advice that CCRVDF seeks is required to be framed appropriately in order for JECFA to respond. According to the Codex Procedural Manual 19<sup>th</sup> Edition (Risk Analysis Principles Applied by the CCRVDF, section 2.6), JECFA is primarily responsible for providing the risk assessments to CCRVDF through the evaluation of available scientific data on veterinary drugs. As such, adequate data must be available if aspects such as the history of safe use for a veterinary drug, good veterinary practices, and the threshold of toxicological concern are required by CCRVDF. The current list does not contain any drugs in this category.

### **Recommendations/Considerations**

10. In order to inform the work of the physical Working group members and observers are invited to provide comments in respect of the list at Annex 2, and any actions they are prepared to take to contribute to development of ADIs and MRLs for the listed actives.

11. Following provision of comments from members and observers on actives contained in Annex 2, the physical Working Group will be invited to consider the list of veterinary drugs of potential interest and their suitability for inclusion in the Priority List of Veterinary Drugs for Evaluation or Re-evaluation by JECFA.

12. In providing comments, members and observers are reminded that in accordance with the Codex Procedural Manual 17<sup>th</sup> Edition (Risk Analysis Principles Applied by the CCRVDF, section 3.1.2.13), before the inclusion of a substance on CCRVDF Priority List, it needs to satisfy certain criteria, including the commitment that a dossier be made available. At its last Session the Committee recommended that in future, a closer adherence to the Codex Procedural Manual is followed and that ‘cleaner’ lists of compounds are nominated for inclusion on the Priority List for review – i.e. only compounds with sufficient available data are to be submitted for consideration. Further consideration needs to be given to the circumstances by which compounds are included.

**Annex 1**

ALINORM 09/32/31  
Appendix VI

**PRIORITY LIST OF VETERINARY DRUGS FOR EVALUATION OR RE-EVALUATION BY JECFA**

<b>Name of the Compound</b>	<b>Questions(s) to be answered</b>	<b>Data Availability</b>	<b>Proposed by</b>	<b>Comments</b>
Monepantel	Request to establish ADI and recommend MRLs in sheep (tissues).	Company has advised that a data package is available that meets the JECFA requirements.	Australia	Registered in New Zealand.
Monensin	Request to re-evaluate MRL in cattle (liver).	Company has advised that a data package is available that meets the JECFA requirements.	United States	Currently recommended to CAC at Step 5/8 by CCRVDF.
Derquantel	Request to establish ADI and recommend MRLs in sheep (tissues).	Company has advised that a data package will be available in September 2009 that meets the JECFA requirements.	United States	Not currently registered by a national authority.
Ractopamine	Review residue depletion data for pig (tissues).	Available from China.	China	

**Annex 2****LIST OF DRUGS OF POTENTIAL INTEREST FROM DEVELOPING COUNTRIES**

Name	Country Requesting	Species	Tissues	Usage	Dosage Regimen	Product Label Available?	Existing Data & Source	Manufacturer	Codex MRLs	COMMENTS
All Approved drugs for large animals	Egypt	Camels	Meat /fat Liver Kidney Milk				No data are available for any tissue or milk			Camel meat and milk are widely used in Egypt and other countries specially rural areas and in Arab countries
Aminosydine	Armenia	Cattle					MRLs (ppb) in Armenia: Muscle (1000), Liver (10,000), Kidney (20,000)	Unknown	No Codex MRLs	
Aminosydine	Armenia	Pigs					MRLs (ppb) in Armenia: Muscle (1000), Liver (10,000), Kidney (20,000)	Unknown	No Codex MRLs	
Aminosydine	Armenia	Rabbit					MRLs (ppb) in Armenia: Muscle (1000), Liver (10,000), Kidney (20,000)	Unknown	No Codex MRLs	
Aminosydine	Armenia	Chicken					MRLs (ppb) in Armenia: Muscle (1000), Liver (10,000), Kidney (20,000)	Unknown	No Codex MRLs	
Amoxicillin	Armenia	Cattle	Muscle, Liver, Kidney, Milk				MRLs (ppb) in Armenia: Muscle 50, Fat, 50, Liver 50, Kidney 50, Milk 4	Pfizer, Inc.	No Codex MRLs	
Amoxicillin	Armenia	Sheep	Muscle, Liver, Kidney, Milk				MRLs (ppb) in Armenia: Muscle 50, Fat, 50, Liver 50, Kidney 50, Milk 4	Pfizer, Inc.	No Codex MRLs	
Amoxicillin	Armenia	Swine	Muscle, Liver, Kidney,				MRLs (ppb) in Armenia: Muscle 50, Fat, 50, Liver 50, Kidney 50	Pfizer, Inc.	No Codex MRLs	
Ampicillin	Armenia	Cattle	Muscle, Liver, Kidney, Milk				MRLs (ppb) in Armenia: Muscle 50, Fat, 50, Liver 50, Kidney 50, Milk 4	Wyeth	No Codex MRLs	
Ampicillin	Armenia	Sheep	Muscle, Liver, Kidney, Milk				MRLs (ppb) in Armenia: Muscle 50, Fat, 50, Liver 50, Kidney 50, Milk 4	Wyeth	No Codex MRLs	
Ampicillin	Armenia	Swine	Muscle, Liver, Kidney				MRLs (ppb) in Armenia: Muscle 50, Fat, 50, Liver 50, Kidney 50	Wyeth	No Codex MRLs	
Apramycin	Armenia	Cattle					MRLs (ppb) in Armenia: Muscle (1000), Fat (1000), Liver (10,000), Kidney (20,000)	Elanco	No Codex MRLs	
Bacitracin	Armenia	Cattle					MRLs (ppb) in Armenia: Muscle (1000), Fat (1000), Liver (10,000), Kidney (20,000)	Alpharma. Inc.	No Codex MRLs	

Name	Country Requesting	Species	Tissues	Usage	Dosage Regimen	Product Label Available?	Existing Data & Source	Manufacturer	Codex MRLs	COMMENTS
Bacitracin	Armenia	Rabbit					MRLs (ppb) in Armenia: Milk (100), Muscle (150), Fat (150), Liver (150), Kidney (150)	Alpharma, Inc.	No Codex MRLs	
Bacitracin	Democratic People's Republic of Korea	All animals			Oral, 20 - 50 mg/kg in feed for 10 – 50 days			Alpharma, Inc.	No Codex MRLs	Need more specific species information
Bacitracin	Costa Rica	Chickens	All tissues		275. ppm, 55 ppm, 220 ppm, oral			Alpharma, Inc.	No Codex MRLs	Need more specific tissue information
Bacitracin	Costa Rica	Pigs	All tissues		275. ppm, 55 ppm, 220 ppm, oral			Alpharma, Inc.	No Codex MRLs	Need more specific tissue information
Benzyl Penicillin	Armenia	Cattle	Muscle, Liver, Kidney, Milk				MRLs (ppb) in Armenia: Muscle 50, Fat, 50, Liver 50, Kidney 50, Milk 4	Wyeth, G. C. Hanford, Walco International, Teva, Cross Vetpharm		
Benzyl Penicillin	Armenia	Sheep	Muscle, Liver, Kidney, Milk				MRLs (ppb) in Armenia: Muscle 50, Fat, 50, Liver 50, Kidney 50, Milk 4	Wyeth, G. C. Hanford, Walco International, Teva, Cross Vetpharm	No Codex MRLs	
Benzyl Penicillin	Armenia	Swine	Muscle, Liver, Kidney				MRLs (ppb) in Armenia: Muscle 50, Fat, 50, Liver 50, Kidney 50	Wyeth, G. C. Hanford, Walco International, Teva, Cross Vetpharm	No Codex MRLs	
Boldenone undecylenate	Guatemala	None specified						Wyeth	No Codex MRLs	Need more specific species information
Carbadox	Guatemala	None specified						Phibro	No Codex MRLs	Need more specific species information
Cefoperazona	Costa Rica	Cattle	Milk		25 mg/mL, intramammary			Pfizer (Italy)	No Codex MRLs	
Cefotaxim	Egypt	Chickens	Meat Fat/skin, Liver, Kidney, Eggs		5 mg/kg bw/day orally			Pfizer		
Cephacetrile?	Armenia	Cattle	Muscle, Liver, Kidney, Milk		Intramammary Use only			Unknown	No Codex MRLs	
Cephalexine	Armenia	Cattle	Muscle, Liver, Kidney, Milk				MRLs (ppb) in Armenia: Muscle 200, Fat 200, Liver 200, Kidney 200, Milk 1000	Unknown	No Codex MRLs	
Cephalonium	Armenia	Cattle	Muscle, Liver, Kidney, Milk				MRLs (ppb) in Armenia: Milk 20	Unknown	No Codex MRLs	
Cephazoline	Armenia	Cattle	Muscle, Liver, Kidney, Milk				MRLs (ppb) in Armenia: Milk 50	Unknown	No Codex MRLs	
Cephazoline	Armenia	Sheep	Muscle, Liver, Kidney, Milk				MRLs (ppb) in Armenia: Milk 50	Unknown	No Codex MRLs	

Name	Country Requesting	Species	Tissues	Usage	Dosage Regimen	Product Label Available?	Existing Data & Source	Manufacturer	Codex MRLs	COMMENTS
Cephazoline	Armenia	Goats	Muscle, Liver, Kidney, Milk				MRLs (ppb) in Armenia: Milk 50	Unknown	No Codex MRLs	
Cephazoline	Democratic People's Republic of Korea	Rabbit			Oral, 0.1% solution for 5 days			Wyeth, First Priority	No Codex MRLs	Need more specific tissue information
Cloxacillin	Armenia	Cattle	Muscle, Liver, Kidney, Milk				MRLs (ppb) in Armenia: Muscle 300, Fat 300, Liver 300, Kidney 300, Milk 30	Pfizer	No Codex MRLs	
Cloxacillin	Armenia	Sheep	Muscle, Liver, Kidney, Milk				MRLs (ppb) in Armenia: Muscle 300, Fat 300, Liver 300, Kidney 300, Milk 30	Pfizer	No Codex MRLs	
Cloxacillin	Armenia	Swine	Muscle, Liver, Kidney				MRLs (ppb) in Armenia: Muscle 300, Fat 300, Liver 300, Kidney 300	Pfizer	No Codex MRLs	
Colistin	Armenia	All livestock					MRLs (ppb) in Armenia: Fat (150), Muscle (150), Liver (150), Kidney (200), Milk (50), Egg (300)	Unknown	No Codex MRLs	Need more specific species information
Coumaphos	Costa Rica	Cattle	Tissues and milk		20% topically			Bayer de Mejico	No Codex MRLs	
Coumaphos	Costa Rica	Goats	Tissues and milk		20% topically			Bayer de Mejico	No Codex MRLs	
Coumaphos	Costa Rica	Sheep	Tissues and milk		20% topically			Bayer de Mejico	No Codex MRLs	
Coumaphos	Costa Rica	Pigs	Tissues		20% topically			Bayer de Mejico	No Codex MRLs	
Cypermethrin	Guatemala	None specified						Unknown	No Codex MRLs	Need more specific species information
Danofloxacin	Armenia	Pigs					MRLs in Armenia: Muscle (100), Skin and Fat (50), Liver (1500), Kidney (200)	Pfizer, Inc.	Codex MRLs (ppb): Liver - 50, Kidney - 200, Muscle - 100, Fat- 100	
Dexamethasone	Iran	Sheep	Muscle		1 - 2.5 mL (2mg) IM, IV, SC			Interchemistry (Netherlands), Schering Plough, Teva, Cross Vetpharm		
Dexamethasone	Iran	Goats	Muscle		1 - 2.5 mL (2mg) IM, IV, SC			Interchemistry (Netherlands), Schering Plough, Teva, Cross Vetpharm		
Diazimon	Guatemala	None specified						Unknown		Need more specific species information
Diclazuril	Guatemala	None specified						Schering Plough	Codex MRLs (ppb):for tissues in Sheep, Rabbit and Poultry	Need more specific species information

Name	Country Requesting	Species	Tissues	Usage	Dosage Regimen	Product Label Available?	Existing Data & Source	Manufacturer	Codex MRLs	COMMENTS
Dicloxacillin	Armenia	Cattle	Muscle, Liver, Kidney, Milk				MRLs (ppb) in Armenia: Muscle 300, Fat 300, Liver 300, Kidney 300, Milk 30	Wyeth	No Codex MRLs	
Dicloxacillin	Armenia	Sheep	Muscle, Liver, Kidney, Milk				MRLs (ppb) in Armenia: Muscle 300, Fat 300, Liver 300, Kidney 300, Milk 30	Wyeth	No Codex MRLs	
Dicloxacillin	Armenia	Swine	Muscle, Liver, Kidney					Wyeth	No Codex MRLs	
Dimetridazole	Guatemala	None specified					MRLs (ppb) in Armenia: Muscle (100), Liver (300)	Unknown	No Codex MRLs	Need more specific species information
Doxycycline	Armenia	Cattle					MRLs (ppb) in Armenia: Muscle (100), Skin and Fat (200), Liver (300), Kidney (600)	Unknown	No Codex MRLs	
Doxycycline	Armenia	Pigs					MRLs (ppb) in Armenia: Muscle (100), Skin and Fat (200), Liver (300), Kidney (600)	Unknown	No Codex MRLs	
Doxycycline	Armenia	Chickens					MRLs (ppb) in Armenia: Muscle 100, Fat 100, Liver 300, Kidney 200, Milk 100	Unknown	No Codex MRLs	
Enrofloxacin	Armenia	Cattle	Muscle, Fat, Liver, Kidney, Milk				MRLs (ppb) in Armenia: Muscle 100, Fat 100, Liver 300, Kidney 200, Milk 100	Bayer	No Codex MRLs	
Enrofloxacin	Armenia	Sheep	Muscle, Fat, Liver, Kidney, Milk				MRLs (ppb) in Armenia: Muscle 100, Fat 100, Liver 300, Kidney 200, Milk 100	Bayer	No Codex MRLs	
Enrofloxacin	Armenia	Goats	Muscle, Fat, Liver, Kidney, Milk				MRLs (ppb) in Armenia: Muscle 100, Fat 100, Liver 200, Kidney 300	Bayer	No Codex MRLs	
Enrofloxacin	Armenia	Swine	Muscle, Fat, Liver, Kidney, Milk				MRLs (ppb) in Armenia: Muscle 100, Fat 100, Liver 200, Kidney 300	Bayer	No Codex MRLs	
Enrofloxacin	Armenia	Rabbits	Muscle, Fat, Liver, Kidney, Milk				MRLs (ppb) in Armenia: Muscle 100, Fat with Skin 100, Liver 200, Kidney 300	Bayer	No Codex MRLs	
Enrofloxacin	Armenia	Chicken	Muscle, Fat with Skin. Liver, Kidney						No Codex MRLs	

Name	Country Requesting	Species	Tissues	Usage	Dosage Regimen	Product Label Available?	Existing Data & Source	Manufacturer	Codex MRLs	COMMENTS
Erythromycin	Armenia	Cattle					MRLs (ppb) in Armenia: Muscle (200), Fat (200), Liver (250), Kidney (220), Milk (40)	Cross Vetpharm	No Codex MRLs	
Erythromycin	Armenia	Sheep					MRLs (ppb) in Armenia: Muscle (200), Fat (200), Liver (250), Kidney (220), Milk (40)	Cross Vetpharm	No Codex MRLs	
Erythromycin	Armenia	Goat					MRLs (ppb) in Armenia: Muscle (200), Fat (200), Liver (250), Kidney (220), Milk (40)	Cross Vetpharm	No Codex MRLs	
Erythromycin	Armenia	Pig					MRLs (ppb) in Armenia: Muscle (200), Fat (200), Liver (250), Kidney (220), Milk (40)	Cross Vetpharm	No Codex MRLs	
Erythromycin	Armenia	Chicken					MRLs (ppb) in Armenia: Muscle (200), Fat (200), Liver (250), Kidney (220), Egg (150)	Cross Vetpharm	No Codex MRLs	
Flavofospolipol	Costa Rica	Chickens	All tissues		100 ppm oral			Intervet International Gmbh	No Codex MRLs	
Flavofospolipol	Costa Rica	Pigs	All tissues		100 ppm oral			Intervet International Gmbh	No Codex MRLs	
Flavofospolipol	Costa Rica	Cattle	All tissues		100 ppm oral			Intervet International Gmbh	No Codex MRLs	
Florfenicol	Egypt	Chickens	Meat, fat/ skin, Liver, Kidney, Eggs		10 mg/kg bw/day orally			Schering		
Florfenicol	Philippines	Pigs	Muscle, Skin+Fat, Liver, Kidney	Broad Spectrum Antibiotic (Control of Swine Respirator Y Diseases)	Oral 5mg/kg bw	Yes	The European Agency for the Evaluation of Medicinal Products-Veterinary Medicines and Inspections: Muscle (300µg/kg), Skin+Fat (500µg/kg), Liver (2000µg/kg) and Kidney (500µg/kg) Australian Pesticide and Veterinary Medicine Authority-Muscle (0.5mg/kg), Skin+Fat (1mg/kg), Liver (3mg/kg) and Kidney (1mg/kg)	Intervet Schering Plough Animal Health Mexico	No Codex MRLs	
Flumequine	Armenia	Cattle	Muscle, Liver, Kidney, Milk				MRLs (ppb) in Armenia: Muscle 200, Fat 300, Liver 300, Kidney 500, Milk 50	Unknown	Codex MRLs (ppb) Liver 500, Kidney 3000, Fat 1000, Muscle 500	
Flumequine	Armenia	Sheep	Muscle, Liver, Kidney, Milk				MRLs (ppb) in Armenia: Muscle 200, Fat 300, Liver 300, Kidney 500, Milk 50	Unknown	Codex MRLs (ppb) Liver 500, Kidney 3000, Fat 1000, Muscle 500	



Name	Country Requesting	Species	Tissues	Usage	Dosage Regimen	Product Label Available?	Existing Data & Source	Manufacturer	Codex MRLs	COMMENTS
Flumequine	Armenia	Goats	Muscle, Liver, Kidney, Milk				MRLs (ppb) in Armenia: Muscle 200, Fat 300, Liver 300, Kidney 500, Milk 50	Unknown	No Codex MRLs	
Flumequine	Armenia	Chicken	Muscle, Liver, Kidney, Fat with Skin				MRLs (ppb) in Armenia: Muscle 400, Fat and Skin 250, Liver 800, Kidney 1000	Unknown	Codex MRLs (ppb) Liver 500, Kidney 3000, Fat 1000, Muscle 500	
Flumetrina???	Guatemala	Bees							No Codex MRLs	
Flunixin meglumine	Costa Rica	Cattle	Tissues and Milk		83 mg/mL parenteral			Schering Plough, Calox Venezuela	No Codex MRLs	
Flunixin meglumine	Costa Rica	Pigs	Tissues and Milk		83 mg/mL parenteral			Schering Plough, Calox Venezuela	No Codex MRLs	
Formic Acid	Guatemala	Bees						Unknown	No Codex MRLs	
Fosfomicina	Costa Rica	Chickens	All tissues		300 - 500 ppm, oral			Bedson de Centroamerica	No Codex MRLs	
Fumagillin	Guatemala	Bees						Unknown	No Codex MRLs	
Gentamicin	Armenia	Cattle					MRLs (ppb) in Armenia Muscle (50), Fat (50), Liver (200), Kidney (750), Milk (100)	Schering Plough	Codex MRLs (ppb) Liver 2000, Kidney 5000, Fat 100, Muscle 100, Milk -200	
Gentamicin	Armenia	Pigs					MRLs (ppb) in Armenia: Muscle (50), Skin and Fat (50), Liver (200), Kidney (750)	Schering Plough	Codex MRLs (ppb) Liver 2000, Kidney 5000, Fat 100, Muscle 100	
Gentamicin	Egypt	Chickens	Meat fat/ skin Liver Kidney Eggs		5mg/kg bw/day orally			Bayer ADWIA		Need specific information in chickens
Hydrocortisone	Democratic People's Republic of Korea	Swine			Oral, 0.1 - 0.3g three times a day			Unknown	No Codex MRLs	
Ivermectin	Guatemala	None specified						Merial	Codex MRLs in Cattle, Pigs and Sheep	Need more specific species information
Ivermectin	Uruguay	Cattle, Ovine, Horse	Muscle	Endectocide	Parenteral 0.2 mg/kg bw	Yes	MRLs (ppb) in US: Cattle Muscle (10)	Merial	MRLs (ppb):100 cattle liver, 15 sheep liver. No Codex MRLs in muscle	
Kanamycin	Armenia	All livestock except fish						Wyeth	No Codex MRLs	Need more specific tissue information

Name	Country Requesting	Species	Tissues	Usage	Dosage Regimen	Product Label Available?	Existing Data & Source	Manufacturer	Codex MRLs	COMMENTS
Kitasamicin	Costa Rica	Chickens	All tissues		110 - 330 ppm oral			Anupco, Inglaterra	No Codex MRLs	Need more specific species information
Kitasamicin	Costa Rica	Pigs	All tissues		110 - 330 ppm oral			Anupco, Inglaterra	No Codex MRLs	
Lincomycin	Armenia	Cattle					MRLs in Armenia: Muscle (100), Fat (100), Liver (600), Kidney (2500), Milk (150)	Pfizer	Codex MRLs (ppb): Milk 150	
Lincomycin	Armenia	Sheep					MRLs (ppb) in Armenia: Muscle (100), Fat (50), Liver (500), Kidney (1500), Milk (150)	Pfizer	No Codex MRLs	
Lincomycin	Armenia	Goat					MRLs (ppb) in Armenia: Muscle (100), Fat (50), Liver (500), Kidney (1500), Milk (150)	Pfizer	No Codex MRLs	
Lincomycin	Armenia	Pigs					MRLs (ppb) in Armenia: Muscle (100), Fat (50), Liver (500), Kidney (1500)	Pfizer	Codex MRLs (ppb): Liver 500, Kidney 1500, Muscle 200, Fat 100, Fat with Skin - 300	
Lincomycin	Armenia	Chicken					MRLs (ppb) in Armenia: Muscle (100), Fat (50), Liver (500), Kidney (1500), Egg (50)	Pfizer	Codex MRLs (ppb): Liver 500, Kidney 1500, Muscle 200, Fat 100, Fat with Skin - 300	
Marbofloxacin	Armenia	Cattle					MRLs in Armenia: Muscle (150), Fat (50), Liver (150), Kidney (150), Milk (75)	Unknown	No Codex MRLs	
Marbofloxacin	Armenia	Sheep					MRLs in Armenia: Muscle (150), Fat (50), Liver (150), Kidney (150), Milk (75)	Unknown	No Codex MRLs	
Marbofloxacin	Armenia	Goats					MRLs (ppb) in Armenia: Muscle (150), Fat (50), Liver (150), Kidney (150), Milk (75)	Unknown	No Codex MRLs	
Mebendazole	Costa Rica	Chickens	All tissues		500 - 600 ppm, oral			Schering Plough, Cenavisa, Espana	No Codex MRLs	
Mebendazole	Costa Rica	Cattle	All tissues		500 - 600 ppm, oral			Schering Plough, Cenavisa, Espana	No Codex MRLs	
Mebendazole	Costa Rica	Pigs	All tissues		500 - 600 ppm, oral			Schering Plough, Cenavisa, Espana	No Codex MRLs	
Metronidazole	Egypt	Chickens	Meat fat/ skin Liver Kidney Eggs		2mg/kg bw/day orally			Marcyrl		Used together with colistin
Monensin	Armenia	Cattle					MRLs (ppb) in Armenia: Muscle (2), Fat (10), Liver (30), Kidney (2), Milk (2)	Elanco	No Codex MRLs	

Name	Country Requesting	Species	Tissues	Usage	Dosage Regimen	Product Label Available?	Existing Data & Source	Manufacturer	Codex MRLs	COMMENTS
Monensin	Guatemala	None specified						Elanco	No MRLs Codex	Need more specific species information
Monensin	Iran	Turkey	Muscle		90 - 100 mg/kg in feed			Elanco	No MRLs Codex	
Nandrolone	Guatemala	None specified						Unknown	No MRLs Codex	Need more specific species information
Naphcyline?	Armenia	All ruminant animals	Muscle, Liver, Kidney, Milk				MRLs (ppb) in Armenia: Muscle 300, Fat 300, Liver 300, Kidney 300, Milk 30	Unknown	No MRLs Codex	
Nitroimidazoles	Guatemala	None specified						Unknown	No MRLs Codex	Need more specific species information
Novobiocin	Armenia	Cattle					MRLs (ppb) in Armenia: Milk (50)	Pfizer	No MRLs Codex	
Oliquinox	Guatemala	None specified						Unknown	No MRLs Codex	Need more specific species information
Oxacillin	Armenia	All ruminant animals	Muscle, Liver, Kidney, Milk				MRLs (ppb) in Armenia: Muscle 300, Fat 300, Liver 300, Kidney 300, Milk 30	Unknown	No MRLs Codex	
Oxalic Acid	Guatemala	Bees						Unknown	No MRLs Codex	
Oxytetracycline	Armenia	All livestock					MRLs (ppb) in Armenia: Muscle (300), Liver (300), Kidney (100), Milk (100)	Pfizer, Boehringer Ingelheim, Phibro, Pennfield		
Oxytocin	Costa Rica	Cattle	Tissues and milk		10 IU/mL, parenteral			Boehringer Ingelheim, Wyeth, Teva, United Vaccines, Cross Vetpharm, Intervet, Holanda, Apropharma	No MRLs Codex	
Oxytocin	Costa Rica	Sheep	Tissues and milk		10 IU/mL, parenteral			Boehringer Ingelheim, Wyeth, Teva, United Vaccines, Cross Vetpharm, Intervet, Holanda, Apropharma	No MRLs Codex	
Oxytocin	Costa Rica	Pigs	Tissues		10 IU/mL, parenteral			Boehringer Ingelheim, Wyeth, Teva, United Vaccines, Cross Vetpharm, Intervet, Holanda, Apropharma	No MRLs Codex	

Name	Country Requesting	Species	Tissues	Usage	Dosage Regimen	Product Label Available?	Existing Data & Source	Manufacturer	Codex MRLs	COMMENTS
Phenoxymethylpenicillin	Armenia	Cattle, Sheep, Pigs, Birds	Muscle, Liver, Skin, Kidney, Milk		Intramuscular		MRLs (ppb) in Armenia: Muscle 25, Skin and Fat: 25, Liver 25, Kidney 50, Milk 4	Unknown	No Codex MRLs	
Piperazine	Democratic People's Republic of Korea	Swine			Oral, 0.4 g/kg BW/day			Fleming Labs	No Codex MRLs	
Pirlimycin	Armenia	Cattle					MRLs (ppb) in Armenia: Muscle (100), Fat (100), Liver (100), Kidney (400), Milk (100)	Pfizer	Codex MRLs (ppb): Muscle - 100, Liver - 1000, Kidney - 400, Fat - 100, Milk - 200 (with note regarding impact on starter cultures)	
Pirlimycin	Armenia	Pigs					MRLs (ppb) in Armenia: Muscle (100), Skin and Fat (50), Liver (500), Kidney (1500)	Pfizer	No Codex MRLs	
Pirlimycin	Armenia	Chicken					MRLs (ppb) in Armenia: Muscle (100), Skin and Fat (50), Liver (500), Kidney (1500), Egg (50)	Pfizer	No Codex MRLs	
Ractopamine	Guatemala	None specified						Elanco	No Codex MRLs	Need more specific species information
Rifamycine	Egypt	Chickens	Meat Fat/ skin Liver Kidney Eggs		10 mg/kg bw/day orally			El- NASR		
Riphaximine	Armenia	Cattle					MRLs (ppb) in Armenia: Milk (60)	Unknown	No Codex MRLs	
Robenidine	Costa Rica	Chickens	Tissues		500 ppm, oral			Alpharma, Inc., Farivet	No Codex MRLs	
Salicylic acid	Democratic People's Republic of Korea	All		Tetter	Applied, Ointment (5-10%)			Democratic People's Republic of Korea	No Codex MRLs	
Streptomycin	Armenia	Cattle					MRLs (ppb) in Armenia: Muscle (500), Fat (500), Liver (500), Kidney (1000), Milk (200)	Unknown	Codex MRLs (ppb): Milk - 200, Kidney - 1000, Fat - 600, Liver - 600, Muscle - 600	
Streptomycin	Armenia	Sheep					MRLs (ppb) in Armenia: Muscle (500), Fat (500), Liver (500), Kidney (1000), Milk (200)	Unknown	Codex MRLs (ppb): Milk - 200, Kidney - 1000, Fat - 600, Liver - 600, Muscle - 600	

Name	Country Requesting	Species	Tissues	Usage	Dosage Regimen	Product Label Available?	Existing Data & Source	Manufacturer	Codex MRLs	COMMENTS
Streptomycin	Armenia	Goats					MRLs (ppb) in Armenia: Muscle (500), Fat (500), Liver (500), Kidney (1000), Milk (200)	Unknown		
Sulfadimethoxine	Democratic People's Republic of Korea	All		Bacterial infection	Oral, 0.05-0.1g/kg-bw/day, or injection, 15-30% solution (subcutaneous, intravenous)			Alpharma		
Sulfamerazine	Democratic People's Republic of Korea	All		Bacterial infection, coccidiosis	Oral, 0.05-0.1g/kg-bw/day, or injection, 15-30% solution(subcutaneous, intravenous)			Alpharma		Need to better define species and tissues
Sulfamethoxypyridazin	Democratic People's Republic of Korea	All		Bacterial infection	Oral, 0.02-0.2 g/kg-bw/day			Unknown		Need to better define species and tissues
Sulfaquinoxaline	Democratic People's Republic of Korea	Poultry		Bacterial infection, coccidiosis	Oral, 0.02-0.03% of the feed for prevention, 0.05- 0.07% for therapy for 3 days			Teva		Need to define tissues of interest
Sulfaquinoxaline	Democratic People's Republic of Korea	Rabbit		Coccidiosis	Oral, 0.01-0.02% of the feed for prevention for 10 days, 0.05-0.07% for therapy for 3-5 days			Teva		Need to define tissues of interest
Sulfonamides	Guatemala	None specified						Unknown	No Codex MRLs	Need more specific species information
Tetracycline	Armenia	Cattle					MRLs (ppb) in Armenia: Muscle (100), Liver (300), Kidney (600), Milk (100)	Pfizer, Boehringer, Igelheim, Wyeth, Alpharma, Medpharmex, Agri Laboratories, Teva	Codex MRLs (ppb): Liver - 600, Muscle - 200, Milk -100, Kidney - 1200	
Tetracycline	Armenia	Sheep					MRLs (ppb) in Armenia: Muscle (100), Liver (300), Kidney (600), Milk (100)	Pfizer, Boehringer, Igelheim, Wyeth, Alpharma, Medpharmex, Agri Laboratories, Teva	Codex MRLs (ppb): Liver - 600, Muscle - 200, Milk -100, Kidney - 1200	
Tetracycline	Armenia	Goats					MRLs (ppb) in Armenia: Muscle (100), Liver (300), Kidney (600), Milk (100)	Pfizer, Boehringer, Igelheim, Wyeth, Alpharma, Medpharmex, Agri Laboratories, Teva	No Codex MRLs	
Tetracycline	Armenia	Pigs					MRLs (ppb) in Armenia: Muscle (100), Liver (300), Kidney (600)	Pfizer, Boehringer, Igelheim, Wyeth, Alpharma, Medpharmex, Agri Laboratories, Teva	Codex MRLs (ppb): Liver - 600, Muscle - 200, Kidney - 1200	
Tetracycline	Armenia	Poultry					MRLs (ppb) in Armenia: Muscle (100), Liver (300), Kidney (600), Egg (200)	Pfizer, Boehringer, Igelheim, Wyeth, Alpharma, Medpharmex, Agri Laboratories, Teva	Codex MRLs (ppb): Liver - 600, Muscle - 200, Kidney - 1200	

Name	Country Requesting	Species	Tissues	Usage	Dosage Regimen	Product Label Available?	Existing Data & Source	Manufacturer	Codex MRLs	COMMENTS
Tetracycline	Guatemala	Bees						Pfizer, Boehringer, Igelheim, Wyeth, Alpharma, Medpharmex, Agri Laboratories, Teva	No Codex MRLs	
Thymol	Guatemala	Bees						Unknown	No Codex MRLs	
Tilmicosin	Armenia	Cattle					MRLs (ppb) in Armenia: Milk (40)	Elanco	Codex MRLs (ppb): Fat - 100, Kidney - 300, Muscle - 100, Liver - 1000	Need MRL for milk
Tolfinamice Acid (tofin )	Egypt	Cattle	Meat /fat Liver Kidney Milk		2 mg/kg bw/day i.m/i.v			Vetiquenol		
Triclabendazole	Kenya	Goats	Liver, Kidney, Milk					Novartis	No Codex MRLs	
Triclabendazole	Iran	Goat	Muscle		5 mg/kg oral			Novartis	No Codex MRLs	
Tylosin	Iran	Cattle	Muscle, milk		60 - 90 tylosin phosphate per head per day, oral			Elanco	No Codex MRLs	
Virginiamycin	Guatemala	None specified						Phibro, Alpharma	No Codex MRLs	Need more specific species information