



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



**World Health
Organization**

Viale delle Terme di Caracalla, 00153 Rome, Italy - Tel: (+39) 06 57051 - Fax: (+39) 06 5705 4593 - E-mail: codex@fao.org - www.codexalimentarius.org

Agenda Item 8c

CX/RVDF 15/22/10

March 2015

**JOINT FAO/WHO FOOD STANDARDS PROGRAMME
CODEX COMMITTEE ON RESIDUES OF VETERINARY DRUGS IN FOODS**

Twenty-second Session

San José, Costa Rica, 27 April – 1 May 2015

DATABASE ON COUNTRIES' NEED FOR MRLS

(Report of the EWG on Countries' Needs for MRLs)

(Argentina, Australia, Brazil, Canada, Chile, Costa Rica, Dominican Republic, European Union, France, India, Italy, Jamaica, Lebanon, Mexico, New Zealand, Panama, Peru, Republic of Korea, Singapore, Thailand, United States of America, Uruguay, Asociación Latinoamericana de Avicultura, and IFAH)

Database on Countries' Needs for MRLs

Database on Countries' Needs for MRLs										
Name	Countries Requesting	Species	Tissues	Good Practice in the Use of Veterinary Drugs (GPVD)	Existing Data & Source	Manufacturer	JECFA Evaluation	Codex MRLs	Member Country MRLs	COMMENTS
All Approved drugs for large animals	Egypt, Kenya	Camel	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 especially rural areas and in Arab countries. Camel meat and milk are widely consumed in Kenya in the arid and semi arid areas. Camel milk has inherent nutritional and medicinal benefits and has gained popularity among consumers in urban areas and in the city. Demand for camel milk in the international market has increased especially in South Africa and European Union.
Aminosydine	Armenia	Cattle			MRLs (ppb) in Armenia: Muscle (1000), Liver (10,000), Kidney (20,000)	Unknown		No Codex MRLs	Armenia	Need more specific tissue information
Aminosydine	Armenia	Chicken			MRLs (ppb) in Armenia: Muscle (1000), Liver (10,000), Kidney (20,000)	Unknown		No Codex MRLs	Armenia	Need more specific tissue information
Aminosydine	Armenia	Pig			MRLs (ppb) in Armenia: Muscle (1000), Liver (10,000), Kidney (20,000)	Unknown		No Codex MRLs	Armenia	Need more specific tissue information
Aminosydine	Armenia	Rabbit			MRLs (ppb) in Armenia: Muscle (1000), Liver (10,000), Kidney (20,000)	Unknown		No Codex MRLs	Armenia	Need more specific tissue information
Amitraz	El Salvador	Bees	Honey	0.16% concentration, dose 3 ml per hive		Unknown		No Codex MRLs		The country has high percentages of honey production
Amoxicillin	Republic of Korea	Fish	Muscle	Republic of Korea Dosing Resimen: 20-40 mg a.i./kg b.w. orally(in feed) for 4 - 7 days		Republic of Korea: Daesung Microbiological Labs Co., Ltd.; Daone Chemical Co., Ltd.; WooGene	75th JECFA, 2011	Codex MRL in Cattle, Sheep, Pig	Republic of Korea (0.05-fish)	Fish residue data needed

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						B&G; KOPAVET Special, Inc.; Jin woo medicine; Ubtech				
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	Armenia; Australia: milk; Canada; EU; USA	
Ampicillin	Republic of Korea	Fish	Muscle	<p>Republic of Korea Dosing Resimen :</p> <p>5-20 mg a.i./kg b.w. Orally(in feed) for 5 days;</p> <p>2-7 mg a.i./kg b.w. Orally(in feed) for 3-5 days;</p> <p>0.05-0.1 mg a.i./kg b.w. Orally(in feed) for 3 days;</p> <p>20-80 mg a.i./kg b.w. Orally(in feed) for 5 days</p>		<p>Republic of Korea: WooSung Vet.; JB Solution; KOPAVET Special, Inc.; Green cross veterinary products; Korea thumb vet.; EWHA PHARMTEK; ChoongAng Biotech Co., Ltd.; Sung-Won Co., Ltd; Samyang Anipharm Co., Ltd.; HANDONG Co., Ltd.; Komi pharm international Co., Ltd; Samu Median Co., Ltd; WooGene B&G; Daehan New Pharm Coperation; Dongbu Farm Hanong; ELT Science; Jin woo medicine; Chamshin pharma Co., Ltd; Da One</p>		No Codex MRLs	Republic of Korea (0.05-fish)	

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						Chemical; Ubtech				
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	Armenia; Canada; EU; USA	
Ampicillin	Armenia	Swine	Muscle, Liver, Kidney		MRLs (ppb) in Armenia: Muscle 50, Fat, 50, Liver 50, Kidney 50	Wyeth		No Codex MRLs	Armenia; EU	
Apramycin	Armenia	Cattle			MRLs (ppb) in Armenia: Muscle (1000), Fat (1000), Liver (10,000), Kidney (20,000)	Elanco		No Codex MRLs	Armenia; Australia; EU	Need more specific tissue information
Bacitracin	Democratic People's Republic of Korea	All animals		Democratic People's Republic of Korea Dosing Regimen: Oral, 20 - 50 mg.kg in feed for 10 - 50 days		Alpharma, Inc.; Zoetis, Inc.		No Codex MRLs	Australia: chicken; Canada: chicken, turkey, pig; EU: cattle, rabbit; USA: cattle, swine, chicken, turkey, quail, pheasant, quail	Need to better define species and tissues
Bacitracin	Armenia, Democratic People's Republic of Korea, Peru	Cattle	Muscle, Liver, Fat/Skin, Kidney	Democratic People's Republic of Korea Dosing Regimen: Oral, 20 - 50 mg.kg in feed for 10 - 50 days; Registered in Peru	MRLs (ppb) in Armenia: Milk (100), Muscle (150), Fat (150), Liver (150), Kidney (150)	Alpharma, Inc.; Zoetis, Inc.	12th JECFA, 1968; Full ADI	No Codex MRLs	Armenia; EU; USA	Summary of 12th JECFA evaluation: If bacitracin is used, it should not be allowed to give rise to detectable residues in food for consumption by humans. If the methods of analysis recommended by the Committee are used, it will be possible to ensure that the residues in food will not exceed the following limits: Milk 0-1.2 IU/ml Meat, 0-0.7 IU/g and Eggs 0-4.8 IU/g (1 mg of bacitracin = 42 IU).
Bacitracin	Costa Rica,	Chicken	All tissues;	Costa Rica Dosing		Alpharma, Inc.	12th JECFA,	No	Australia,	Summary of 12th JECFA

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	Democratic People's Republic of Korea, Peru, Philippines		Muscle, Liver, Kidney, Egg	Regimen: 275. ppm, 55 ppm, 220 ppm, oral; Democratic People's Republic of Korea Dosing Regimen: Oral, 20 - 50 mg.kg in feed for 10 - 50 days; Registered in Peru; Philippines Dosage: 50-200ppm, 100-200ppm		Agri-Bio Philippines Zoetis, Inc.	1968; Full ADI	Codex MRLs	Canada; USA	evaluation: If bacitracin is used, it should not be allowed to give rise to detectable residues in food for consumption by humans. If the methods of analysis recommended by the Committee are used, it will be possible to ensure that the residues in food will not exceed the following limits: Milk 0-1.2 IU/ml Meat, 0-0.7 IU/g and Eggs 0-4.8 IU/g (1 mg of bacitracin = 42 IU).
Bacitracin	Chile, Costa Rica, Democratic People's Republic of Korea, Peru, Philippines	Pig	Muscle, Fat, Liver, Kidney	Registered in Chile, Dose regime in Chile Oral Dosage: - Broiler chickens, replacement pullets: Bacitracin 13 mg base / kg PV for 5 to 7 days - Turkeys: Bacitracin 31 mg base / kg P.V. for 5 to 7 days. - Pigs: 41 mg of bacitracin base / kg P.V. for 5 to 7 days; Costa Rica Dosing Regimen: 275. ppm, 55 ppm, 220 ppm, oral; Democratic People's Republic of Korea Dosing Regimen: Oral, 20 - 50 mg.kg in feed for 10 - 50 days; Registered in Peru; Philippines dosage: 50-100ppm, 250-275ppm	United States Chickens, Turkeys and Pork (edible tissue and eggs) 0.5 ppm Canada Chickens, Turkeys and Pork (liver, kidney, skin + fat, muscle) 0.5 ppm	Alpharma US, Inc. Agri-Bio Philippines Zoetis, Inc.	12th JECFA, 1968; Full ADI	No Codex MRLs	Canada; USA	Summary of 12th JECFA evaluation: If bacitracin is used, it should not be allowed to give rise to detectable residues in food for consumption by humans. If the methods of analysis recommended by the Committee are used, it will be possible to ensure that the residues in food will not exceed the following limits: Milk 0-1.2 IU/ml Meat, 0-0.7 IU/g and Eggs 0-4.8 IU/g (1 mg of bacitracin = 42 IU). This compound has not been re-evaluated by the Program for the risk assessment of veterinary drug residues in food of animal origin that began in 1987 (32th session).
Bacitracin	Chile, Democratic People's Republic of Korea	Poultry	Muscle, Fat, Liver, Kidney, Eggs	Registered in Chile, Dose regime in Chile Oral Dosage: - Broiler chickens, replacement pullets: Bacitracin 13 mg base / kg PV for 5 to 7 days - Turkeys: Bacitracin 31 mg base / kg P.V. for 5 to 7 days.	United States Chickens, Turkeys and Pork (edible tissue and eggs) 0.5 ppm Canada Chickens, Turkeys and Pork (liver, kidney, skin + fat,	Alpharma US, Inc.; Zoetis, Inc.	12th JECFA, 1968; Full ADI	No Codex MRLs	Australia: chicken; Canada: chicken, turkey; USA	Summary of 12th JECFA evaluation: If bacitracin is used, it should not be allowed to give rise to detectable residues in food for consumption by humans. If the methods of analysis recommended by the Committee are used, it will be possible to ensure that the residues in food

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				- Pigs: 41 mg of bacitracin base / kg P.V. for 5 to 7 days; Democratic People's Republic of Korea Dosing Regimen: Oral, 20 - 50 mg.kg in feed for 10 - 50 days	muscle) 0.5 ppm					will not exceed the following limits: Milk 0-1.2 IU/ml Meat, 0-0.7 IU/g and Eggs 0-4.8 IU/g (1 mg of bacitracin = 42 IU). This compound has not been re-evaluated by the Program for the risk assessment of veterinary drug residues in food of animal origin that began in 1987 (32th session).
Bacitracin	Armenia, Democratic People's Republic of Korea	Rabbit		Democratic People's Republic of Korea Dosing Regimen: Oral, 20 - 50 mg.kg in feed for 10 - 50 days	MRLs (ppb) in Armenia: Muscle (150), Fat (150), Liver (150), Kidney (150)	Alpharma, Inc.	12th JECFA, 1968; Full ADI	No Codex MRLs	Armenia; EU	Need more specific tissue information; Summary of 12th JECFA evaluation: If bacitracin is used, it should not be allowed to give rise to detectable residues in food for consumption by humans. If the methods of analysis recommended by the Committee are used, it will be possible to ensure that the residues in food will not exceed the following limits: Milk 0-1.2 IU/ml Meat, 0-0.7 IU/g and Eggs 0-4.8 IU/g (1 mg of bacitracin = 42 IU).
Bacitracin	Chile, Democratic People's Republic of Korea	Turkey	Muscle, Fat, Liver, Kidney	Registered in Chile, Dose regime in Chile Oral Dosage: - Broiler chickens, replacement pullets: Bacitracin 13 mg base / kg PV for 5 to 7 days - Turkeys: Bacitracin 31 mg base / kg P.V. for 5 to 7 days. - Pigs: 41 mg of bacitracin base / kg P.V. for 5 to 7 days; Democratic People's Republic of Korea Dosing Regimen: Oral, 20 - 50 mg.kg in feed for 10 - 50 days	United States Chickens, Turkeys and Pork (edible tissue and eggs) 0.5 ppm Canada Chickens, Turkeys and Pork (liver, kidney, skin + fat, muscle) 0.5 ppm	Alpharma US, Inc.; Zoetis, Inc.	12th JECFA, 1968; Full ADI	No Codex MRLs	Canada	Summary of 12th JECFA evaluation: If bacitracin is used, it should not be allowed to give rise to detectable residues in food for consumption by humans. If the methods of analysis recommended by the Committee are used, it will be possible to ensure that the residues in food will not exceed the following limits: Milk 0-1.2 IU/ml Meat, 0-0.7 IU/g and Eggs 0-4.8 IU/g (1 mg of bacitracin = 42 IU). This compound has not been re-evaluated by the Program for the risk assessment of veterinary drug residues in food of animal origin that began in 1987 (32th session).
Benzyl Penicillin	Armenia	Sheep	Muscle, Liver, Kidney,		MRLs (ppb) in Armenia: Muscle 50, Fat, 50, Liver	Wyeth, G. C. Hanford, Walco International,	36th JECFA, 1990; Full ADI; MRLs	Codex MRLs in cattle,	Armenia; Australia; Canada;	JECFA recommended MRLs in "all species." Codex MRLs adopted for cattle, pig, and chicken

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			Milk		50, Kidney 50, Milk 4	Teva, Cross Vetpharm	recommended in all species (muscle, liver, kidney, milk)	pig, and chicken	EU; USA: zero tolerance	May require additional sheep residue data
Boldenone	El Salvador	Cattle	Muscle, Fat, Kidney, Liver	Concentration: 50 mg/ml; 56 mg/ml Dose: 1 ml/90 kg p.v. (cattle and pig)		Unknown		No Codex MRLs		
Boldenone	El Salvador	Pig	Muscle, Fat, Kidney, Liver	Concentration: 50 mg/ml; 56 mg/ml Dose: 1 ml/90 kg p.v. (cattle and pig)		Unknown		No Codex MRLs		
Boldenone	El Salvador	Sheep	Muscle, Fat, Kidney, Liver	Concentration: 50 mg/ml; 56 mg/ml Dose: 1 ml/90 kg p.v. (cattle and pig)		Unknown		No Codex MRLs		
Boldenone Undecylate	Guatemala	None specified				Wyeth		No Codex MRLs		Need to better define species and tissues
Cefoperazone	Costa Rica	Cattle	Milk	25 mg/mL, intramammary		Pfizer (Italy)		No Codex MRLs	EU: cattle	
Cefotaxime	Egypt	Chicken	Meat fat/ skin Liver Kidney Eggs	5 mg/kg bw/day orally		Pfizer		No Codex MRLs		
Cefacetrile	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	Armenia	
Cefalonium	Armenia	Cattle	Muscle, Liver, Kidney, Milk		MRLs (ppb) in Armenia: Milk 20	Unknown		No Codex MRLs	Armenia: milk	
Cefazoline	Armenia	Cattle	Muscle, Liver, Kidney, Milk		MRLs (ppb) in Armenia: Milk 50	Unknown		No Codex MRLs	Armenia: milk	
Cefazoline	Armenia	Goat	Muscle,		MRLs (ppb) in	Unknown		No	Armenia:	

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			Liver, Kidney, Milk		Armenia: Milk 50			Codex MRLs	milk	
Cefazoline	Armenia	Sheep	Muscle, Liver, Kidney, Milk		MRLs (ppb) in Armenia: Milk 50	Unknown		No Codex MRLs	Armenia: milk	
Chlorhexidine	Democratic People's Republic of Korea	Rabbit		Oral, 0.1% solution for 5 days		Wyeth, First Priority		No Codex MRLs	EU: all food producing species - not required	Need more specific tissue information
Chlortetracycline	El Salvador	Poultry	Fat	100 mg/kg Oral, 200-800 ppm		Unknown	50th JECFA, 1998; Full ADI	Codex MRLs in poultry muscle, kidney, eggs, liver		
Chlortetracycline	El Salvador	Pig	Fat	101 mg/kg Oral, 200-800 ppm		Unknown	51st JECFA, 1998; Full ADI	Codex MRLs in pig muscle, kidney, liver		
Cloprostenol	El Salvador	Cattle	Muscle, Fat, Kidney, Liver	Concentration: 0.075 mg / ml. Dose 2-5 ml for 10-15 days. Parenterally		Unknown		No Codex MRLs		
Cloprostenol	El Salvador	Pig	Muscle, Fat, Kidney, Liver	Concentration: 0.075 mg / ml. Dose 2-5 ml for 10-15 days. Parenterally		Unknown		No Codex MRLs		
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	Armenia; Australia: milk; Canada; EU; USA	
Cloxacillin	Armenia	Pig	Muscle, Liver, Kidney		MRLs (ppb) in Armenia: Muscle 300, Fat 300, Liver 300, Kidney 300	Pfizer		No Codex MRLs	Armenia; EU	
Cloxacillin	Armenia	Sheep	Muscle, Liver, Kidney, Milk		MRLs (ppb) in Armenia: Muscle 300, Fat 300, Liver 300, Kidney 300,	Pfizer		No Codex MRLs	Armenia; EU	

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					Milk 30					
Colistin	Armenia	All livestock			MRLs (ppb) in Armenia: Fat (150), Muscle (150), Liver (150), Kidney (200), Milk (50), Egg (300)	Unknown	66th JECFA, 2006; Full ADI	Codex MRLs in cattle, pig, sheep, goat, rabbit, chicken, and turkey	Armenia; EU: all food producing species	Need to better define species and tissues
Coumaphos	Republic of Korea	Bees		Republic of Korea Dosing Resimen : 0.64 mg a.i./hive (12 combs); 0.16 mg a.i./hive		Republic of Korea: Bisen, Bayer Korea Limited.		No Codex MRLs	Republic of Korea (0.1-honey)	
Coumaphos	Costa Rica	Cattle	Tissues and milk	20% topically		Bayer de Mejico		No Codex MRLs	Australia	
Coumaphos	Costa Rica	Goat	Tissues and milk	20% topically		Bayer de Mejico		No Codex MRLs		
Coumaphos	Costa Rica	Pig	Tissues	20% topically		Bayer de Mejico		No Codex MRLs		Need more specific tissue information
Coumaphos	Costa Rica	Sheep	Tissues and milk	20% topically		Bayer de Mejico		No Codex MRLs		
Cypermethrin	Guatemala	None specified				Unknown	62nd JECFA, 2004; Full ADI	Codex MRLs in cattle and sheep	Australia: cattle, deer, goat, horse, pig, poultry, sheep; EU: all ruminants, salmonids	Need to better define species and tissues
Dexamethasone	Iran	Goat	muscle	1 - 2.5 mL (2mg) IM, IV, SC		Interchemistry (Netherlands), Schering Plough, Teva, Cross Vetpharm	70th JECFA, 2008; Full ADI	Codex MRLs in cattle, pig, and horse	EU	Goat residue data needed
Dexamethasone	Iran	Sheep	muscle	1 - 2.5 mL (2mg) IM, IV, SC		Interchemistry (Netherlands), Schering Plough, Teva,	70th JECFA, 2008; Full ADI	Codex MRLs in cattle, pig, and	Australia: cattle; EU: cattle, goat	Sheep residue data needed

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						Cross Vetpharm		horse		
Diazinon	Guatemala	None specified				Unknown		No Codex MRLs	Australia: mammals, poultry; EU: cattle, sheep, goat, pig	Need to better define species and tissues
Diclazuril	Guatemala	None specified				Schering Plough	50th JECFA, 1998; Full ADI	Codex MRLs in sheep, rabbit, and poultry	Canada: chicken, turkey; EU: all ruminants, pig; USA: chicken, turkey	Need to better define species and tissues
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	Armenia; EU	
Dicloxacillin	Armenia	Pig	Muscle, Liver, Kidney		MRLs (ppb) in Armenia: Muscle 300, Fat 300, Liver 300, Kidney 300	Wyeth		No Codex MRLs	Armenia; EU	
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	Armenia; EU	
Dimetridazole	Guatemala	None specified				Unknown	34th JECFA, 1989; No ADI - reevaluated by a 2014 electronic working group	No Codex MRLs		The 21st CCRVDF agreed to hold proposed draft risk management recommendations for dimetridazole at Step 4 and to include it in the Priority List in order to take a more informed decision at the 22nd CCRVDF.
Dipirona (metamizole)	El Salvador	Cattle	Muscle, Fat, Kidney, Liver	Concentration 50 g / 100 ml Dose		Unknown		No Codex MRLs		
Dipirona (metamizole)	El Salvador	Goat	Muscle, Fat, Kidney, Liver	Concentration 50 g / 100 ml Dose		Unknown		No Codex MRLs		
Dipirona	El Salvador	Sheep	Muscle,	Concentration 50 g /		Unknown		No		

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(metamizole)			Fat, Kidney, Liver	100 ml Dose				Codex MRLs		
Dipirona (metamizole)	El Salvador	Pig	Muscle, Fat, Kidney, Liver	Concentration 50 g / 100 ml Dose		Unknown		No Codex MRLs		
Doxycycline	Armenia, El Salvador	Cattle	Muscle, Fat, Kidney, Liver	El Salvador: Concentrations: 100 mg/g; 100 mg/ml; 10 g/100 ml; 50 g/100 g. Doses: 1 g/50 kg, in poultry 20-40 g/200 L of water every 24 hours for 4-6 days	MRLs (ppb) in Armenia: Muscle (100), Liver (300)	Unknown		No Codex MRLs	Armenia; EU	
Doxycycline	Armenia, Philippines	Chicken	Muscle, Liver, Kidney, Egg	Philippines: 1ml/10-15kg bw; 100-200pp, Oral; 50-100ppm, Oral;	MRLs (ppb) in Armenia: Muscle (100), Skin and Fat (200), Liver (300), Kidney (600)	Unknown; Jickstar Pharma, Inc. Horizon Link, Inc. Carrington Trading, Inc.		No Codex MRLs	Armenia; EU	
Doxycycline	El Salvador	Poultry	Muscle, Liver, Kidney, Fat	El Salvador: Concentrations: 100 mg/g; 100 mg/ml; 10 g/100 ml; 50 g/100 g. Doses: 1 g/50 kg, in poultry 20-40 g/200 L of water every 24 hours for 4-6 days		Unknown		No Codex MRLs		
Doxycycline	El Salvador	Goat	Muscle, Liver, Kidney, Fat	El Salvador: Concentrations: 100 mg/g; 100 mg/ml; 10 g/100 ml; 50 g/100 g. Doses: 1 g/50 kg, in poultry 20-40 g/200 L of water every 24 hours for 4-6 days		Unknown		No Codex MRLs		
Doxycycline	El Salvador	Sheep	Muscle, Liver, Kidney, Fat	El Salvador: Concentrations: 100 mg/g; 100 mg/ml; 10 g/100 ml; 50 g/100 g. Doses: 1 g/50 kg, in poultry 20-40 g/200 L of water every 24 hours for 4-6 days		Unknown		No Codex MRLs		
Doxycycline	Armenia, El	Pig	Muscle,	El Salvador:	MRLs (ppb) in	Unknown;		No	Armenia;	Need more specific tissue

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	Salvador, Philippines		Liver, Kidney, Fat	Concentrations: 100 mg/g; 100 mg/ml; 10 g/100 ml; 50 g/100 g. Doses: 1 g/50 kg, in poultry 20-40 g/200 L of water every 24 hours for 4-6 days Philippines: 1ml/20kg bw; 1ml/10-15kg bw; 100-200ppm, Oral; 50-100ppm, Oral; 10mg/kg BW, Oral	Armenia: Muscle (100), Skin and Fat (200), Liver (300), Kidney (600)	Jickstar Pharma, Inc. Horizon Link, Inc. Supervet International, Inc. Carrington Trading, Inc. Hipra Phils., Inc.		Codex MRLs	EU	information
Emamectin Benzoate	Chile, Peru	Finfish, Salmonids	Muscle and Skin, in natural proportion	Registered in Chile for salmonids, Dose regimen in Chile Dose: 50 mg (PA) /kg./dia x 7 days Withdrawal Period: 0 degree days	European U. (EMA): ADI of 1 ug / kg P.V. / day or 60 mg / person / day European U. (EMA): 100 mg / kg Japan: 100 ug / kg	MSD (formerly Schering Plough), among others	75th Meeting of JECFA 100(mg / kg)	No Codex MRLs	Canada: salmonids; EU; Japan	
Enrofloxacin	Belize, Peru	Aquaculture	Muscle	Registered in Belize; Registered in Peru		Various (Bayer, Laboratorios California, Colombia) Anupco UK	48th JECFA, 1997; Full ADI	No Codex MRLs	EU	48th JECFA requested: "studies to determine the antimicrobial activity of the residues other than enrofloxacin and ciprofloxacin."
Enrofloxacin	Armenia, Peru	Cattle	Muscle, Fat, Liver, Kidney, Milk	Registered in Peru	MRLs (ppb) in Armenia: Muscle 100, Fat 100, Liver 300, Kidney 200, Milk 100	Bayer	48th JECFA, 1997; Full ADI	No Codex MRLs	Armenia; Canada; EU; USA	48th JECFA requested: "studies to determine the antimicrobial activity of the residues other than enrofloxacin and ciprofloxacin."
Enrofloxacin	Armenia, Peru, Philippines	Chicken	Muscle, Fat/Skin, Liver, Kidney, Egg	Registered in Peru; Philippines: 10mg/kg bw, Oral; 0.1-0.2ml/kg bw, Oral; 0.25ml/kg bw, Oral; 100ppm, Oral; 1ml/10-15kg bw, IM injection	MRLs (ppb) in Armenia: Muscle 100, Fat with Skin 100, Liver 200, Kidney 300	Bayer Health Care - Animal Health; First Fil-Bio; Provect International Corporation; Transcend Phils., Inc.; Jickstar Pharma, Inc.	48th JECFA, 1997; Full ADI	No Codex MRLs	Armenia; EU	48th JECFA requested: "studies to determine the antimicrobial activity of the residues other than enrofloxacin and ciprofloxacin."
Enrofloxacin	Armenia, Peru	Goat	Muscle, Fat, Liver, Kidney, Milk	Registered in Peru	MRLs (ppb) in Armenia: Muscle 100, Fat 100, Liver 300, Kidney 200, Milk 100	Bayer	48th JECFA, 1997; Full ADI	No Codex MRLs	Armenia; EU	48th JECFA requested: "studies to determine the antimicrobial activity of the residues other than enrofloxacin and ciprofloxacin."

Database on Countries' Needs for MRLs										
Name	Countries Requesting	Species	Tissues	Good Practice in the Use of Veterinary Drugs (GPVD)	Existing Data & Source	Manufacturer	JECFA Evaluation	Codex MRLs	Member Country MRLs	COMMENTS
Enrofloxacin	Armenia, Peru, Philippines	Pig	Muscle, Fat, Liver, Kidney	Registered in Peru; Philippines: 0.25ml/10kg BW, Oral; 50-75ppm; 1ml/10-15kg bw (piglet), IM injection; 1ml/20kg bw (adult), IM injection	MRLs (ppb) in Armenia: Muscle 100, Fat 100, Liver 200, Kidney 300	Bayer; Provet International Corporation; Transcend Phils., Inc.; Jickstar Pharma, Inc.	48th JECFA, 1997; Full ADI	No Codex MRLs	Armenia; EU; USA	48th JECFA requested: "studies to determine the antimicrobial activity of the residues other than enrofloxacin and ciprofloxacin."
Enrofloxacin	Belize, Syria	Poultry	Muscle, liver, kidney, fat	Registered in Belize; Registered by the Codex National Syrian Committee	Temporary MRLs in Syria: Liver (200), Kidney (300), Muscle (100) (Studies under development)	Enrosol; Various (Bayer, Laboratorios California, Colombia) Anupco UK	48th JECFA, 1997; Full ADI	No Codex MRLs	EU; Syria	48th JECFA requested: "studies to determine the antimicrobial activity of the residues other than enrofloxacin and ciprofloxacin."
Enrofloxacin	Armenia	Rabbit	Muscle, Fat, Liver, Kidney		MRLs (ppb) in Armenia: Muscle 100, Fat 100, Liver 200, Kidney 300	Bayer	48th JECFA, 1997; Full ADI	No Codex MRLs	Armenia; EU	48th JECFA requested: "studies to determine the antimicrobial activity of the residues other than enrofloxacin and ciprofloxacin."
Enrofloxacin	Armenia, Peru	Sheep	Muscle, Fat, Liver, Kidney, Milk	Registered in Peru	MRLs (ppb) in Armenia: Muscle 100, Fat 100, Liver 300, Kidney 200, Milk 100	Bayer	48th JECFA, 1997; Full ADI	No Codex MRLs	Armenia; EU	48th JECFA requested: "studies to determine the antimicrobial activity of the residues other than enrofloxacin and ciprofloxacin."
Enrofloxacin	Peru	Shrimp (Litopenaeus vannamei)		Registered in Peru Enroblend dose: 4 kg/1 ton food		Avimex SA		No Codex MRLs	EU: All food producing species	
Erythromycin	Armenia	Cattle			MRLs (ppb) in Armenia: Muscle (200), Fat (200), Liver (250), Kidney (220), Milk (40) (Studies under development)	Cross Vetpharm	66th JECFA, 2006; Full ADI	Codex MRLs in chicken and turkey	Armenia; Australia; Canada; EU; USA: cattle tissues	Need more specific tissue information Cattle residue data needed
Erythromycin	Armenia	Goat			MRLs (ppb) in Armenia: Muscle (200), Fat (200), Liver (250), Kidney (220), Milk (40)	Cross Vetpharm	66th JECFA, 2006; Full ADI	Codex MRLs in chicken and turkey	Armenia; Australia; EU	Need more specific tissue information Goat residue data needed
Erythromycin	Armenia	Pig			MRLs (ppb) in Armenia: Muscle (200), Fat (200), Liver (250), Kidney (220), Milk (40)	Cross Vetpharm	66th JECFA, 2006; Full ADI	Codex MRLs in chicken and turkey	Armenia; Australia; Canada; EU; USA	Need more specific tissue information Pig residue data needed
Erythromycin	Armenia	Sheep			MRLs (ppb) in Armenia: Muscle	Cross Vetpharm	66th JECFA, 2006; Full	Codex MRLs in	Armenia; Australia;	Need more specific tissue information

Database on Countries' Needs for MRLs										
Name	Countries Requesting	Species	Tissues	Good Practice in the Use of Veterinary Drugs (GPVD)	Existing Data & Source	Manufacturer	JECFA Evaluation	Codex MRLs	Member Country MRLs	COMMENTS
					(200), Fat (200), Liver (250), Kidney (220), Milk (40)		ADI	chicken and turkey	Canada; EU	Sheep residue data needed
Flavophospho lipol	Argentina, Costa Rica	Cattle	All tissues; Muscle, fat, liver, kidney, milk	Argentina: 6-16 ppm oral Costa Rica: 100 ppm oral		Intervet International GmbH, Intervet S.A.		No Codex MRLs	Australia, Japan	
Flavophospho lipol	Argentina, Costa Rica, Philippines	Chicken	All tissues; Muscle, Liver, Kidney, Fat/skin, Egg	Argentina: 20 ppm oral Costa Rica: 100 ppm oral Philippines: 4ppm, Oral; 2.6-5ppm, Oral		Intervet S.A., Intervet International GmbH; APF Corporation; Inphilco, Inc.; RNSV Corporation		No Codex MRLs	Japan	
Flavophospho lipol	Argentina, Costa Rica, Philippines	Pig	All tissues; Muscle, Liver, Kidney, Fat/skin	Argentina: 20 ppm oral; Costa Rica: 100 ppm oral; Philippines: 5ppm, Oral; 5-10ppm, Oral; 10-20ppm, Oral		Intervet S.A., Intervet International GmbH; APF Corporation; Inphilco, Inc.; RNSV Corporation		No Codex MRLs	Japan	
Flavophospho lipol	Chile	Poultry	Muscle, Fat, Liver, Kidney, Eggs	Registered in Chile		Intervet International GmbH		No Codex MRLs		
Florfenicol	Belize	Aquaculture	Muscle	Registered in Belize	Dossier Avi –Mex SA de CV	Flor-Blend Aqua from Avi-Mex, Mexico; Intervet, Inc.		No Codex MRLs	Australia: fish; Canada: salmonids; EU: finfish; USA: catfish, salmonids	
Florfenicol	Peru	Cattle	Muscle, Liver, Fat/Skin, Kidney	Registered in Peru		Schering, Intervet, Inc.		No Codex MRLs	Australia; Canada; EU; USA	
Florfenicol	Egypt, Peru, Philippines	Chicken	Muscle, fat/ skin, Liver, Kidney,	Egypt Dosage Regimen: 10 mg/kg bw/day orally; Registered in Peru;		Schering; Carrington Trading, Inc.; Ceva Animal		No Codex MRLs	EU	

Database on Countries' Needs for MRLs										
Name	Countries Requesting	Species	Tissues	Good Practice in the Use of Veterinary Drugs (GPVD)	Existing Data & Source	Manufacturer	JECFA Evaluation	Codex MRLs	Member Country MRLs	COMMENTS
			Eggs	Philippines: 20ppm, Oral; 20mg/kg bw, Oral		Health Phils., Inc.				
Florfenicol	Peru, Republic of Korea	Fish	Muscle	Registered in Peru; Republic of Korea Dosing Regimen: 10 mg/kg b.w. Orally(in feed) for 5 days; 1 mg/kg b.w. Orally(in feed) for 5 days; 10 a.i. mg/kg b.w. i.m. injection (Bastard halibut) Registered for use in salmon, yellowtail, eel, cherry salmon, Ayu sweetfish. Withdrawal times: 5 day for oral product in yellowtail, 7 days for oral product in eel, 14 days for oral product in salmon, cherry salmon, Ayu sweetfish, 40 days for i.m. injection in bastard halibut		Peru: Schering Republic of Korea: RNL Bio Co., Ltd; JB Solution; Daesung Microbiological Labs Co., Ltd.; Samu Median Co., Ltd; Sung-Won Co., Ltd; Chamshin pharma Co., Ltd; KBNP, INC.; Green cross veterinary products; Dongbu Farm Hanong; Seoul vet pharma; Eaglevet; Daehan New Pharm Cooperation; SF., Inc; Samyang Anipharm Co., Ltd.; EWHA PHARMTEK; Jin woo medicine; CTC bio Co., Ltd; Korea thumb vet.; Namjoon local products; ELT Science; WooGene B&G; Daone Chemical; NEL biotech. Ltd; Ubtech; HANDONG Co., Ltd.		No Codex MRLs	Australia; Canada: salmonids; EU: finfish; USA: catfish, salmonids; Republic of Korea (0.2-fish)	Republic of Korea trade names: MEGAFEN · FISH solution, DANAPEN-C, Aqua Florfen, Aquaflor, Ultra floro, etc.

Database on Countries' Needs for MRLs										
Name	Countries Requesting	Species	Tissues	Good Practice in the Use of Veterinary Drugs (GPVD)	Existing Data & Source	Manufacturer	JECFA Evaluation	Codex MRLs	Member Country MRLs	COMMENTS
						USA: Intervet, Inc.				
Florfenicol	Peru	Goat	Muscle, Liver, Fat/Skin, Kidney	Registered in Peru		Schering		No Codex MRLs	EU	
Florfenicol	Peru, Philippines	Pig	Muscle, Fat/Skin, Liver, Kidney	Registered in Peru; Philippines: Broad Spectrum Antibiotic (Control of Swine Respiratory Diseases), dosage: 20ppm, Oral; 40-80ppm, Oral; 20-40ppm Oral; 20mg/kg bw, Oral; 15mg/kg bw, IM injection product label available	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; Carrington Trading, Inc., Plaridel, Virbac Animal Health, Ceva Animal Health, Schering Plough Animal Health, Intervet, Inc.		No Codex MRLs	Australia; Canada; EU	
Florfenicol	Syria	Poultry	Liver Kidney Muscle	Registered by the Codex National Syrian Committee	Temporary MRLs in Syria: Liver (2500), Kidney (750), Muscle (100) (Studies under development)	Floridin		No Codex MRLs	EU; Syria	
Florfenicol	Peru	Sheep	Muscle, Liver, Fat/Skin, Kidney	Registered in Peru		Schering		No Codex MRLs	EU	
Florfenicol	Peru	Shrimp (Litopenaeus vannamei)		Registered in Peru Florbend dose: 4-5 kg/1 ton food		Avimex SA		No Codex MRLs		
Flumequine	Armenia	Cattle	Milk		MRLs (ppb) in Armenia: Muscle 200, Fat 300, Liver 300, Kidney 500, Milk 50	Unknown	48th JECFA, 2006; Full ADI	Codex MRLs in fat, kidney, liver,	Armenia; EU	48th JECFA did not receive residue data for milk

Database on Countries' Needs for MRLs										
Name	Countries Requesting	Species	Tissues	Good Practice in the Use of Veterinary Drugs (GPVD)	Existing Data & Source	Manufacturer	JECFA Evaluation	Codex MRLs	Member Country MRLs	COMMENTS
								and muscle		
Flumequine	Armenia	Chicken	Fat with Skin		MRLs (ppb) in Armenia: Muscle 400, Fat and Skin 250, Liver 800, Kidney 1000	Unknown	48th JECFA, 2006; Full ADI	Codex MRLs in fat, kidney, liver, and muscle	Armenia; EU	Need more specific tissue information
Flumequine	Chile	Salmonids	Muscle and Skin, in natural proportion	Registered in Chile, Dose regimen in Chile. Dose: 10 to 30 mg / kg / day x 10 days Withdrawal Period: 300 degree day	European U. (EMA): ADI of 8.25 mg / kg BW / day or 495 mg / person / day European U. (EMA): 600 mg / kg Japan: 500 ug / kg		66th JECFA, 2006; Full ADI	Codex MRLs in cattle, pig, sheep, chicken, and trout	EU, Japan	Codex MRLs in trout, additional residue data may be required to cover all finfish
Flumequine	Armenia	Goat	Muscle, Liver, Kidney, Milk		MRLs (ppb) in Armenia: Muscle 200, Fat 300, Liver 300, Kidney 500, Milk 50	Unknown	66th JECFA, 2006; Full ADI	Codex MRLs in cattle, pig, sheep, chicken, and trout	Armenia; EU	Goat residue data needed
Flumequine	Armenia	Sheep	Milk		MRLs (ppb) in Armenia: Muscle 200, Fat 300, Liver 300, Kidney 500, Milk 50	Unknown	66th JECFA, 2006; Full ADI	Codex MRLs in fat, kidney, liver, and muscle	Armenia; EU	48th JECFA did not receive residue data for milk
Flumetrina (Flumethrin)	El Salvador Guatemala	Bees	Honey	El Salvador: 3.6 mg/plate		Unknown		No Codex MRLs	EU: not required	
Flunixin meglumine	Costa Rica, El Salvador	Cattle	Muscle, Fat, Kidney, Liver, Milk	Costa Rica: 83 mg/mL parenteral El Salvador: Concentration 50 mg / ml dose. 0.44 ml / kg 100 P.V. every 24 h maximum 5 days		Schering Plough, Calox Venezuela		No Codex MRLs	Australia; Canada; EU; USA	
Flunixin meglumine	Costa Rica, El Salvador	Pig	Muscle, Fat, Kidney, Liver	Costa Rica: 83 mg/mL parenteral El Salvador: Concentration 50 mg / ml dose. 0.44 ml / kg		Schering Plough, Calox Venezuela		No Codex MRLs	Canada; EU; USA	

Database on Countries' Needs for MRLs										
Name	Countries Requesting	Species	Tissues	Good Practice in the Use of Veterinary Drugs (GPVD)	Existing Data & Source	Manufacturer	JECFA Evaluation	Codex MRLs	Member Country MRLs	COMMENTS
				100 P.V. every 24 h maximum 5 days						
Flunixin meglumine	El Salvador	Sheep	Muscle, Fat, Kidney, Liver	Concentration 50 mg / ml dose. 0.44 ml / kg 100 P.V. every 24 h maximum 5 days		Unknown				
Flunixin meglumine	El Salvador	Goat	Muscle, Fat, Kidney, Liver	Concentration 50 mg / ml dose. 0.44 ml / kg 100 P.V. every 24 h maximum 5 days		Unknown				
Formic Acid	Guatemala	Bees	Honey			Unknown		No Codex MRLs	EU: all food producing species - not required	
Fosfomicina	Costa Rica	Chicken	All tissues	300 - 500 ppm, oral		Bedson de Centroamerica		No Codex MRLs		Need more specific tissue information
Fosfomicina	Chile	Poultry	Skin and Fat, Muscle, Liver, Kidney	Registered in Chile Dose in broiler chickens: Oral fosfomycin calcium 40 mg / kg BW / day for 3 to 5 days Withholding period: Meat: 7 days	Toxicological Intake: 175 mg / kg P.V. / day Microbiological ADI: 0.019 mg / kg P.V. / day (Food Safety Commission of Japan, 2010)	Bedson S.A.		No Codex MRLs		
Fumagillin	Guatemala	Bees	Honey			Unknown		No Codex MRLs		
Gentamicin	Egypt	Chicken	Meat fat/ skin Liver Kidney Eggs	5mg/kg bw/day orally		Bayer ADWIA	50th JECFA, 1998; Full ADI	Codex MRLs in cattle and pig	Canada; USA	Chicken residue data needed
Halquinol	El Salvador	Poultry	Muscle, Liver, Kidney	30-60 ppm Oral		Unknown		No Codex MRLs		
Halquinol	El Salvador	Pig	Muscle, Liver, Kidney	30-60 ppm Oral		Unknown		No Codex MRLs		
Hydrocortisone	Democratic People's Republic of Korea	Pig		Oral, 0.1 - 0.3g three times a day		Unknown		No Codex MRLs	EU: all food producing species - not	Need more specific tissue information

Database on Countries' Needs for MRLs										
Name	Countries Requesting	Species	Tissues	Good Practice in the Use of Veterinary Drugs (GPVD)	Existing Data & Source	Manufacturer	JECFA Evaluation	Codex MRLs	Member Country MRLs	COMMENTS
Ivermectin	19th CCRVDF	Camel	all tissues				58th JECFA, 2002; Full ADI	Codex MRLs in cattle, pig, and sheep	EU required	Need more specific tissue information Camel residue data needed
Ivermectin	Uruguay, 19th CCRVDF	Cattle	Muscle	Uruguay: Endectocide. Dosage regimen is parenteral (1% & 2% product): 0.2 mg/kg bw in cattle, sheep, horses, and goats; 0.3 mg/kg bw in swine; 3.15% product has dose of 0.63 mg/kg in cattle; 3.5% product has dose of 0.75 mg/kg bw in cattle. Widely used in the country in food producing animals. Registered in Uruguay: 80 registered 1% Ivermectin, 1 registered 2% Ivermectin, 18 registered 3.15% Ivermectin, and 3 registered 3.5% Ivermectin, Product label available	MRLs (ppb) in US: Cattle Muscle (10).	Merial	58th JECFA, 2002; Full ADI; 78th JECFA, MRLs recommended	Codex MRLs liver, fat, and milk	Australia; Canada; EU; USA	Proposed draft MRL at Step 3
Ivermectin	Uruguay	Horse	Muscle	Uruguay: Endectocide, Dosage regimen is parenteral 0.2 mg/kg bw, Widely used in the country in food producing animals. Registered in Uruguay: 80 registered 1% Ivermectin, 1 registered 2% Ivermectin, 18 registered 3.15% Ivermectin, and 3 registered 3.5% Ivermectin, product	MRLs (ppb) in US: Cattle Muscle (10).	Merial	58th JECFA, 2002; Full ADI	Codex MRLs in cattle, pig, and sheep	Australia; EU	Horse residue data needed

Database on Countries' Needs for MRLs										
Name	Countries Requesting	Species	Tissues	Good Practice in the Use of Veterinary Drugs (GPVD)	Existing Data & Source	Manufacturer	JECFA Evaluation	Codex MRLs	Member Country MRLs	COMMENTS
Ivermectin	Guatemala	None specified		label available		Merial	58th JECFA, 2002; Full ADI	Codex MRLs in cattle, pig, and sheep	Australia: cattle, deer, horse, pig, sheep; Canada: cattle, sheep, pig; EU: all mammalian food producing species; USA: cattle, swine, sheep, reindeer, American bison	Need to better define species and tissues
Ivermectin	19th CCRVDF	Rabbit	all tissues				58th JECFA, 2002; Full ADI	Codex MRLs in cattle, pig, and sheep	EU	Need more specific tissue information Rabbit residue data needed
Ivermectin	Uruguay	Sheep	Muscle	Uruguay: Endectocide, Dosage regimen is parenteral 0.2 mg/kg bw, Widely used in the country in food producing animals. Registered in Uruguay: 80 registered 1% Ivermectin, 1 registered 2% Ivermectin, 18 registered 3.15% Ivermectin, and 3 registered 3.5% Ivermectin, product label available	MRLs (ppb) in US: Cattle Muscle (10).	Merial	58th JECFA, 2002; Full ADI	Codex MRLs in liver and fat	Australia; Canada; EU: fat, liver, kidney; USA: liver	36th JECFA recommended MRLs in liver and fat only because residues were highest in these tissues and suitable methods were available.

Database on Countries' Needs for MRLs										
Name	Countries Requesting	Species	Tissues	Good Practice in the Use of Veterinary Drugs (GPVD)	Existing Data & Source	Manufacturer	JECFA Evaluation	Codex MRLs	Member Country MRLs	COMMENTS
Kanamycin	Armenia	All livestock except fish			MRLs in Armenia: Muscle (100), Fat (100), Liver (600), Kidney (2500), Milk (150)	Wyeth	12th JECFA, 1968; No ADI	No Codex MRLs	Armenia; EU: all food producing species except fin fish	Need to better define species and tissues 12th JECFA reported: "Kanamycin could not be fully evaluated toxicologically on the basis of the data that were made available."
Ketoprofen	El Salvador	Cattle	Muscle, Fat, Kidney, Liver	Concentration of 100 mg / ml dose: 1 ml / 30 kg bw every 24 h for 3-5 days		Unknown		No Codex MRLs		
Ketoprofen	El Salvador	Pig	Muscle, Fat, Kidney, Liver	Concentration of 100 mg / ml dose: 1 ml / 30 kg bw every 24 h for 3-5 days		Unknown		No Codex MRLs		
Kitasamycin	Costa Rica	Chicken	All tissues	110 - 330 ppm oral		Anupco, Inglaterra		No Codex MRLs	Australia	Need more specific tissue information
Kitasamycin	Costa Rica	Pig	All tissues	110 - 330 ppm oral		Anupco, Inglaterra		No Codex MRLs	Australia	Need more specific tissue information
Levamisole	Morocco	Goat	Fat, Muscle, Liver, Kidney	Registered in Morocco	EU regulation 37/2010	ATLAS Vétérinaire BCI CEVA INTERVET CALIER PHARMA 5 ECOMED	42nd JECFA, 1994; Full ADI	Codex MRLs in cattle, sheep, and poultry.	Australia; Canada: cattle, sheep; EU: cattle, sheep; USA: cattle, sheep	Goat residue data needed
Lincomycin	Armenia	Cattle			MRLs (ppb) in Armenia: Muscle (100), Fat (50), Liver (500), Kidney (1500), Milk (150)	Pfizer	62nd JECFA, 2004; Full ADI	Codex MRL in milk	Armenia; Australia; EU	Need more specific tissue information
Lincomycin	Armenia	Chicken			MRLs (ppb) in Armenia: Muscle (100), Fat (50), Liver (500), Kidney (1500), Egg (50)	Pfizer	62nd JECFA, 2004; Full ADI	Codex MRLs in liver, kidney, muscle, fat, and fat with skin	Armenia; Australia; Canada; EU; USA	Need more specific tissue information

Database on Countries' Needs for MRLs										
Name	Countries Requesting	Species	Tissues	Good Practice in the Use of Veterinary Drugs (GPVD)	Existing Data & Source	Manufacturer	JECFA Evaluation	Codex MRLs	Member Country MRLs	COMMENTS
Lincomycin	Armenia	Goat			MRLs (ppb) in Armenia: Muscle (100), Fat (50), Liver (500), Kidney (1500), Milk (150)	Pfizer	62nd JECFA, 2004; Full ADI	Codex MRLs in Cattle milk, and pig and chicken tissues	Armenia; Australia; EU	Need more specific tissue information Goat residue data needed
Lincomycin	Armenia	Sheep			MRLs (ppb) in Armenia: Muscle (100), Fat (50), Liver (500), Kidney (1500), Milk (150)	Pfizer	62nd JECFA, 2004; Full ADI	Codex MRLs in Cattle milk, and pig and chicken tissues	Armenia; EU	Need more specific tissue information Goat residue data needed
Lufenuron	Chile	Salmonids	Muscle/skin, in natural proportions	Chile to start registration Proposed dose: 5 mg/kg/day x 7 days in food	EU (EMA): ADI of 0.015 mg/kg P.V./day or 0.9 mg/person/day EU (EMA): Salmonids: 1350 ug/kg	Novartis Animal Health	None	No Codex MRLs	EU	
Marbofloxacin	Armenia	Cattle			MRLs in Armenia: Muscle (150), Fat (50), Liver (150), Kidney (150), Milk (75)	Unknown		No Codex MRLs	Armenia; EU	Need more specific tissue information
Marbofloxacin	Armenia	Goat			MRLs (ppb) in Armenia: Muscle (150), Fat (50), Liver (150), Kidney (150), Milk (75)	Unknown		No Codex MRLs	Armenia	Need more specific tissue information
Marbofloxacin	Armenia	Sheep			MRLs in Armenia: Muscle (150), Fat (50), Liver (150), Kidney (150), Milk (75)	Unknown		No Codex MRLs	Armenia	Need more specific tissue information
Mebendazole	Costa Rica	Cattle	All tissues	500 - 600 ppm, oral		Schering Plough, Cenavisa, Espana		No Codex MRLs	Australia	Need more specific tissue information
Mebendazole	Costa Rica, Philippines	Chicken	All tissues; Muscle, Liver, Kidney, Egg	Costa Rica: 500 - 600 ppm, oral; Philippines: 60ppm, Oral; 60-120ppm, Oral		Schering Plough, Cenavisa, Espana; Equalivet; JCS		No Codex MRLs		Need more specific tissue information

Database on Countries' Needs for MRLs										
Name	Countries Requesting	Species	Tissues	Good Practice in the Use of Veterinary Drugs (GPVD)	Existing Data & Source	Manufacturer	JECFA Evaluation	Codex MRLs	Member Country MRLs	COMMENTS
						Chemical Industries, Inc.; Transcend Phils., Inc.; Masstock Laboratories				
Mebendazole	Costa Rica, Philippines	Pig	All tissues; Muscle, Liver, Kidney	Costa Rica: 500 - 600 ppm, oral; Philippines: 15-60ppm, Oral; 30-60ppm, Oral; 30-72ppm, Oral		Schering Plough, Cenavisa, Espana; Equalivet; JCS Chemical Industries, Inc.; Transcend Phils., Inc.; Masstock Laboratories		No Codex MRLs	Australia	Need more specific tissue information
Metronidazole	Egypt	Chicken	Meat fat/ skin Liver Kidney Eggs	2mg/kg bw/day orally, Used together with colistin		Marcyrl	34th JECFA, 1989; No ADI; Reevaluated by a 2014 electronic working group	No Codex MRLs		The 21st CCRVDF agreed to hold proposed draft risk management recommendations for metronidazole at Step 4 and to include it in the Priority List in order to take a more informed decision at the 22nd CCRVDF.
Monensin	Guatemala	None specified				Elanco	70th JECFA, 2008; Full ADI	Codex MRLs in quail, cattle, sheep, goat, chicken, and turkey	Australia: cattle, goat, poultry, sheep; Canada: cattle, chicken, turkey; EU: cattle; USA: cattle, goat, chicken, turkey, quail	Need to better define species and tissues
Nafcillin	Armenia	All ruminant animals	Muscle, Liver, Kidney, Milk		MRLs (ppb) in Armenia: Muscle 300, Fat 300, Liver 300, Kidney 300, Milk 30	Unknown		No Codex MRLs	Armenia; EU: all ruminants	Need to better define species
Nandrolone	Guatemala	None				Unknown		No		Need to better define species and

Database on Countries' Needs for MRLs										
Name	Countries Requesting	Species	Tissues	Good Practice in the Use of Veterinary Drugs (GPVD)	Existing Data & Source	Manufacturer	JECFA Evaluation	Codex MRLs	Member Country MRLs	COMMENTS
		specified						Codex MRLs		tissues
Nitarstone	Algeria	Turkey	Muscle	Dosage (blend mode): 189.5 ppm. This rate is obtained by mixing 340.5g histostat of 50 in a total rotation of 909 kg		Alpharma BVBA				
Nitroimidazoles	Guatemala	None specified				Unknown		No Codex MRLs		The 21st CCRVDF agreed to hold proposed draft risk management recommendations for nitroimidazoles at Step 4 and to include them in the Priority List in order to take a more informed decision at the 22nd CCRVDF.
Norfloxacin	Belize	Aquaculture	Muscle	Registered in Belize		Various (Bayer, Laboratorios California, Colombia) Anupco UK		No Codex MRLs		
Norfloxacin	Belize, Philippines	Poultry	Muscle, liver, kidney, fat, egg	Registered in Belize; Philippines: 100ppm, Oral; 25-50ppm, Oral		Various (Bayer, Laboratorios California, Colombia) Anupco UK; Jickstar Pharma, Inc.; Chemvet Products; Apt Vet Link, Inc.; Carrington Trading, Inc.		No Codex MRLs		
Novobiocin	Armenia	Cattle			MRLs (ppb) in Armenia: Milk (50)	Pfizer	12th JECFA, 1968; Full ADI	No Codex MRLs	Armenia: milk; Australia; Canada; EU; USA	Need more specific tissue information Summary of 12th JECFA: "When novobiocin is used, it should not be allowed to give rise to detectable residues in food for human consumption. The quantification limits of the analytical methods recommended by the Committee are: milk 0-0.15 mg/kg; meat 0-0.5mg/kg; and eggs 0-0.1 mg/kg."
Oxacillin	Armenia	All ruminant	Muscle, Liver,		MRLs (ppb) in Armenia: Muscle	Unknown		No Codex	Armenia; EU: all	Need to better define species

Database on Countries' Needs for MRLs										
Name	Countries Requesting	Species	Tissues	Good Practice in the Use of Veterinary Drugs (GPVD)	Existing Data & Source	Manufacturer	JECFA Evaluation	Codex MRLs	Member Country MRLs	COMMENTS
		animals	Kidney, Milk		300, Fat 300, Liver 300, Kidney 300, Milk 30			MRLs	food producing species	
Oxalic Acid	Guatemala	Bees	Honey			Unknown		No Codex MRLs	EU: not required	
Oxolinic Acid	Chile, Republic of Korea	Finfish, Salmonids	Muscle and Skin	Registered in Chile, Dose regimen in Chile Dose: 10 to 30 mg / kg / day x 10 days Withdrawal period: 450 degree day Republic of Korea Dosing Resimen: 5-10 a.i. mg/kg b.w. Orally(in feed) for 5-7 days(carp, Aeromonas hydrophila); 5-20 a.i. mg/kg b.w. - Orally(in feed) for 3-5 days(cherry salmon, Vivrio anguillarum); 5-10 a.i. mg/kg, Orally (in feed) for 5-7 days(salmon, Aeromonas salmonicida) 5-20 a.i. mg/kg b.w. Orally(in feed) for 4-6 days(eel, Aeromonas hydrophila) 5-20 a.i. mg/kg b.w. Orally(in feed) for 5-7 days(eel, Edwardsiella tarda) 1-5 a.i. mg/kg b.w. Orally(in feed) for 3-5 days(eel, Pseudomonas anguillaum) 10-30 a.i. mg/kg b.w. Orally(in feed) for 5 days(yellowtail, Pasteurella piscicida) 5-20 a.i. mg/kg b.w. Orally(in feed) for 3-7 days(ayu sweetfish,	European U. (EMA): ADI of 2.5 mg / kg P.V. / day or 150 mg / person / day European U. (EMA): 100 mg / kg Japan: 50 mg / kg	Republic of Korea: Samyang Anipharm Co., Ltd.; Sung-Won Co., Ltd; Dongbu Farm Hanong; HANDONG Co., Ltd.; WooGene B&G; WooSung Vet.; Samu Median Co., Ltd; Chamshin pharma Co., Ltd; SF., Inc; Bayer Korea Limited.; Seoul vet pharma; Daehan New Pharm Coperation; Korea thumb vet.; Namjoon local products; NEL biotech. Ltd; EWHA PHARMTEK; Green cross veterinary products; Dawon Chemical	43rd JECFA, 1994; No ADI	No Codex MRLs	EU; Republic of Korea (0.1-cherry salmon, salmon, Yellowtail, eel, Ayu sweetfish, carp); Japan	Summary of 43rd JECFA: "In view of the major deficiencies in the reporting and protocols of the toxicological studies available for evaluation, and as a clear NOEL in the arthropathy study in dogs could not be identified, the Committee was unable to establish an ADI. The Committee was not able to set MRLs for oxolinic acid because no ADI was established. No additional residue data were requested."

Database on Countries' Needs for MRLs										
Name	Countries Requesting	Species	Tissues	Good Practice in the Use of Veterinary Drugs (GPVD)	Existing Data & Source	Manufacturer	JECFA Evaluation	Codex MRLs	Member Country MRLs	COMMENTS
				<p>Vivrio anguillarum); 5-20 a.i. mg/kg b.w. Orally(in feed) for 4-6 days(eel, Aeromonas hydrophila); 10-30 a.i. mg/kg b.w. Orally(in feed) for 3-7 days; 10-20 a.i. mg/kg b.w. Orally(in feed) (eel, carp, cherry salmon); 10-30 a.i. mg/kg b.w. Orally(in feed) (yellowtail); 5-10 a.i. mg/kg b.w. Orally(in feed) for 5-7 days (salmon, Aeromonas salmonicida); 5-20 a.i. mg/kg b.w. Orally(in feed) for 3-5 days(salmon, Vivrio anguillarum); 20 a.i. mg/kg b.w. - Orally(in feed) for 5 days(eel, Edwardsiella trada); 5-10 a.i. mg/kg b.w. Oral(in feed) for 3-7 days; 4-10 a.i. mg/kg water, Dip treatment for 5-8 hours; 1 a.i. g/kg water, Dip treatment for 24 hours(carp, Aeromonas spp.)</p>						
Oxytetracycline	Armenia	All livestock			MRLs (ppb) in Armenia: Muscle (300), Liver (300), Kidney (100), Milk (100)	Pfizer, Boehringer Ingeleheim, Phibro, Pennfield	50th JECFA, 1998; 58th JECFA, 2002; Full ADI	Codex MRLs in cattle, pig, sheep, poultry, fish, and giant prawn	Armenia; Australia: fish, bees, cattle, goat, pig, sheep, mammals, poultry, shrimp, prawns; Canada:	Need to better define species and tissues

Database on Countries' Needs for MRLs										
Name	Countries Requesting	Species	Tissues	Good Practice in the Use of Veterinary Drugs (GPVD)	Existing Data & Source	Manufacturer	JECFA Evaluation	Codex MRLs	Member Country MRLs	COMMENTS
									cattle, pig, sheep, salmonids, lobster, chicken, turkey, bees; EU: all food producing species; USA: beef cattle, dairy cattle, calves, swine, sheep, chicken, turkey, finfish, lobster	
Oxytetracycline	Argentina, El Salvador, Republic of Korea	Bees	Honey	Registered in Argentina in cattle, sheep, goats, pigs, bees, fur bearing animals, and aquaculture Republic of Korea Dosing Regimen : 0.03 g a.i./comb (3 combs-0.09 g, 5 combs-0.15g, 8 combs-0.24g) El Salvador: Concentration: 1.200 mg / 100 g; Dose: 100 g for 12 hives or 8 grams per hive for 10 days, once a month.		Argentina: Unknown El Salvador: Unknown Republic of Korea: Ubtech	50th JECFA, 1998; 58th JECFA, 2002; Full ADI	Codex MRLs in cattle, pig, sheep, poultry, fish, and giant prawn	Australia; Canada; Republic of Korea (0.3-honey)	Honey residue data needed
Oxytetracycline	Peru	Goat	Muscle	1.0-2.0 ml/10 kg. P.v.	National Residue Program and contaminants in food	Vetipharm Lab		Codex MRLs in cattle, pig, sheep, poultry, fish, and	Australia; EU: all food producing species	

Database on Countries' Needs for MRLs										
Name	Countries Requesting	Species	Tissues	Good Practice in the Use of Veterinary Drugs (GPVD)	Existing Data & Source	Manufacturer	JECFA Evaluation	Codex MRLs	Member Country MRLs	COMMENTS
								giant prawn		
Oxytocin	Costa Rica	Cattle	Tissues and milk	10 IU/mL, parenteral		Boehringer Ingelheim, Wyeth, Teva, United Vaccines, Cross Vetpharm, Intervet, Holanda, Apropharma		No Codex MRLs	EU: not required	
Oxytocin	Costa Rica	Pig	Tissues	10 IU/mL, parenteral		Boehringer Ingelheim, Wyeth, Teva, United Vaccines, Cross Vetpharm, Intervet, Holanda, Apropharma		No Codex MRLs	EU: not required	Need more specific tissue information
Oxytocin	Costa Rica	Sheep	Tissues and milk	10 IU/mL, parenteral		Boehringer Ingelheim, Wyeth, Teva, United Vaccines, Cross Vetpharm, Intervet, Holanda, Apropharma		No Codex MRLs	EU: not required	
Phenoxymethylpenicillin	Armenia	Cattle	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	Armenia	
Phenoxymethylpenicillin	Armenia	Pig	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	Armenia; EU	
Phenoxymethylpenicillin	Armenia	Poultry	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	Armenia; EU	

Database on Countries' Needs for MRLs										
Name	Countries Requesting	Species	Tissues	Good Practice in the Use of Veterinary Drugs (GPVD)	Existing Data & Source	Manufacturer	JECFA Evaluation	Codex MRLs	Member Country MRLs	COMMENTS
Phenoxyethylpenicillin	Armenia	Sheep	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	Armenia	
Phosphomycin	Argentina	Aquaculture	Muscle Skin and fat Liver Kidney Milk Eggs	Dose in poultry and pigs: 10 mg/Kg Pv to 40 mg /Kg Pv, Registered in Argentina in poultry and pigs, but not cattle and aquaculture	ADI Japan: 0.019 mg/Kg Pv/day	Bedson S.A.		No Codex MRLs	Japan	
Phosphomycin	Argentina	Cattle	Muscle Skin and fat Liver Kidney Milk Eggs	Dose in poultry and pigs: 10 mg/Kg Pv to 40 mg /Kg Pv, Registered in Argentina in poultry and pigs, but not cattle and aquaculture	ADI Japan: 0.019 mg/Kg Pv/day	Bedson S.A.		No Codex MRLs	Japan	
Phosphomycin	Argentina	Pig	Muscle Skin and fat Liver Kidney Milk Eggs	Dose in poultry and pigs: 10 mg/Kg Pv to 40 mg /Kg Pv, Registered in Argentina in poultry and pigs, but not cattle and aquaculture	ADI Japan: 0.019 mg/Kg Pv/day	Bedson S.A.		No Codex MRLs		
Phosphomycin	Argentina	Poultry	Muscle Skin and fat Liver Kidney Milk Eggs	Dose in poultry and pigs: 10 mg/Kg Pv to 40 mg /Kg Pv, Registered in Argentina in poultry and pigs, but not cattle and aquaculture	ADI Japan: 0.019 mg/Kg Pv/day	Bedson S.A.		No Codex MRLs		
Phosphomycin	Peru	Shrimp (Litopenaeus vannamei)		Registered in Peru for use in shrimp (Magna mix-aqua) dose: 4-5 kg/1 ton food	ADI Japan: 0.019 mg/Kg Pv/day	AVI-MEX S.A.		No Codex MRLs		
Piperazine	Democratic People's Republic of Korea	Pig		Oral, 0.4 g/kg BW/day		Fleming Labs		No Codex MRLs	EU; USA	Need more specific tissue information
Pirlimycin	Armenia	Chicken			MRLs (ppb) in Armenia: Muscle (100), Skin and Fat (50), Liver 500), Kidney (1500), Egg	Pfizer	62nd JECFA, 2004; Full ADI	Codex MRLs in cattle	Armenia	Need more specific tissue information Chicken residue data needed

Database on Countries' Needs for MRLs										
Name	Countries Requesting	Species	Tissues	Good Practice in the Use of Veterinary Drugs (GPVD)	Existing Data & Source	Manufacturer	JECFA Evaluation	Codex MRLs	Member Country MRLs	COMMENTS
					(50)					
Pirlimycin	Armenia	Pig			MRLs (ppb) in Armenia: Muscle (100), Skin and Fat (50), Liver (500), Kidney (1500)	Pfizer	62nd JECFA, 2004; Full ADI	Codex MRLs in cattle	Armenia	Need more specific tissue information Pig residue data needed
Ractopamine	Guatemala	None specified				Elanco	Most recent evaluation by JECFA in 2010; Full ADI; MRLs recommended in cattle and pig	Codex MRLs in cattle and pig	Australia: pig; Canada: pig, cattle, turkey; USA: cattle, swine, turkey	Need to better define species and tissues
Rafoxanide	Morocco	Cattle	Muscle, Fat, Liver, Kidney	Registered in Morocco	EU regulation 37/2010	ATLAS Vétérinaire BCI CEVA INTERVET NOVOVET ECOMED		No Codex MRLs	EU	
Rafoxanide	Morocco	Sheep	Muscle, Fat, Liver, Kidney	Registered in Morocco	EU regulation 37/2010	ATLAS Vétérinaire BCI CEVA INTERVET NOVOVET ECOMED		No Codex MRLs	EU	
Rifamycine	Egypt	Chicken	Meat fat/ skin Liver Kidney Eggs	10 mg/kg bw/day orally		EI- NASR		No Codex MRLs		
Rifaximine	Armenia	Cattle			MRLs (ppb) in Armenia: Milk (60)	Unknown		No Codex MRLs	Armenia: milk; EU: not required	Need more specific tissue information
Robenidine	Costa Rica	Chicken	Tissues	500 ppm, oral		Alpharma, Inc., Farivet		No Codex MRLs	Australia; Canada	Need more specific tissue information
Roxarsone	Peru	Chicken	Muscle, Liver, Fat/Skin, Kidney	Registered in Peru				No Codex MRLs	Canada; USA	

Database on Countries' Needs for MRLs										
Name	Countries Requesting	Species	Tissues	Good Practice in the Use of Veterinary Drugs (GPVD)	Existing Data & Source	Manufacturer	JECFA Evaluation	Codex MRLs	Member Country MRLs	COMMENTS
Roxarsone	Belize	Poultry	Muscle, Kidney	Registered in Belize		Helm Mexico and Calier Spain		No Codex MRLs	Canada: chicken, turkey; USA: chicken, turkey	
Salicylic acid	Democratic People's Republic of Korea	All		Tetter, Applied, Ointment (5-10%)		Democratic People's Republic of Korea		No Codex MRLs	EU: not required	Need to better define species and tissues
Streptomycin	Armenia	Goat			MRLs (ppb) in Armenia: Muscle (500), Fat (500), Liver (500), Kidney (1000), Milk (200)	Unknown	58th JECFA, 2002; Full ADI	Codex MRLs in cattle, pig, sheep, and chicken	Armenia; Australia; Canada: cattle; EU; USA: calves	Need more specific tissue information Goat residue data needed
Sulfadiazine	El Salvador	Cattle	Muscle, Fat, Kidney, Liver	Concentration: 400 mg / ml. Dose: 3 ml / 100 kg P.V. for 5 days		Unknown		No Codex MRLs		
Sulfadiazine	El Salvador	Sheep	Muscle, Fat, Kidney, Liver	Concentration: 400 mg / ml. Dose: 3 ml / 100 kg P.V. for 5 days		Unknown		No Codex MRLs		
Sulfadiazine	El Salvador	Pig	Muscle, Fat, Kidney, Liver	Concentration: 400 mg / ml. Dose: 3 ml / 100 kg P.V. for 5 days		Unknown		No Codex MRLs		
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		No Codex MRLs	Canada: cattle, swine, horse, chicken, turkey; EU: all food producing species; USA: chicken, turkey, cattle, duck, salmonids, catfish, chukar	Need to better define species and tissues

Database on Countries' Needs for MRLs										
Name	Countries Requesting	Species	Tissues	Good Practice in the Use of Veterinary Drugs (GPVD)	Existing Data & Source	Manufacturer	JECFA Evaluation	Codex MRLs	Member Country MRLs	COMMENTS
									partridges	
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		No Codex MRLs	Canada: cattle, sheep, pig; EU: all food producing species	Need to better define species and tissues
Sulfamethoxy pyridazine	Democratic People's Republic of Korea	All		Bacterial infection; Oral, 0.02-0.2 g/ kg•bw/day		Unknown		No Codex MRLs	EU: all food producing species; USA: swine, cattle	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		No Codex MRLs	Australia; Canada: chicken, turkey; EU; USA: chicken, turkey	Need more specific tissue information
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		No Codex MRLs	Canada; EU	Need more specific tissue information
Sulfonamides	Guatemala	None specified				Unknown		Codex MRLs in cattle milk and tissues of unspecified species	EU: all food producing species	Need to better define species and tissues

Database on Countries' Needs for MRLs										
Name	Countries Requesting	Species	Tissues	Good Practice in the Use of Veterinary Drugs (GPVD)	Existing Data & Source	Manufacturer	JECFA Evaluation	Codex MRLs	Member Country MRLs	COMMENTS
Tetracycline	Guatemala	Bees	Honey			Pfizer, Boehringer, Igelheim, Wyeth, Alpharma, Medpharmex, Agri Laboratories, Teva	50th JECFA, 1998; Full ADI	Codex MRLs in cattle, pig, sheep, poultry, fish, and giant prawn		Honey residue data needed
Tetracycline	Armenia	Goat			MRLs (ppb) in Armenia: Muscle (100), Liver (300), Kidney (600), Milk (100)	Pfizer, Boehringer, Igelheim, Wyeth, Alpharma, Medpharmex, Agri Laboratories, Teva	50th JECFA, 1998; Full ADI	Codex MRLs in cattle, pig, sheep, poultry, fish, and giant prawn	Armenia; Canada: cattle, sheep; EU; USA: calves	Need more specific tissue information Goat residue data needed
Thymol	Guatemala	Bees	Honey			Unknown		No Codex MRLs		
Tildipirosin	El Salvador	Pig	Muscle, Fat, Kidney, Liver	Concentration 40 mg / ml; rate 1 ml / 10 kg P.V. intramuscular		Unknown		No Codex MRLs		
Tilmicosin	Armenia	Cattle			MRLs (ppb) in Armenia: Milk (40)	Elanco	70th JECFA, 2008; Full ADI	Codex MRLs in fat, kidney, liver, and muscle	Armenia: milk; Australia; Canada; EU; USA	If seeking MRL for cattle milk, residue data needed
Tilmicosin	19th CCRVDF	Chicken	Eggs				70th JECFA, 2008; Full ADI	Codex MRLs in cattle, pig, sheep, chicken, and turkey tissues		Egg residue data needed

Database on Countries' Needs for MRLs										
Name	Countries Requesting	Species	Tissues	Good Practice in the Use of Veterinary Drugs (GPVD)	Existing Data & Source	Manufacturer	JECFA Evaluation	Codex MRLs	Member Country MRLs	COMMENTS
Tilmicosin	19th CCRVDF	Turkey	Eggs				70th JECFA, 2008; Full ADI	Codex MRLs in cattle, pig, sheep, chicken, and turkey tissues		Egg residue data needed
Tolfinamic Acid (tolfin)	Egypt	Cattle	Meat /fat Liver Kidney Milk	2 mg/kg bw/day i.m/i.v		Egg residue data needed		No Codex MRLs	EU	
Triamcinolone	Argentina	Cattle	Muscle	Route of administration IM, 7mg/300kg; Registered in Argentina		Unknown		No Codex MRLs		
Triamcinolone	Argentina	Goat	Muscle	Route of administration IM, 7mg/300kg; Registered in Argentina		Unknown		No Codex MRLs		
Triamcinolone	Argentina	Pig	Muscle	Route of administration IM, 7mg/300kg; Registered in Argentina		Unknown		No Codex MRLs		
Triamcinolone	Argentina	Sheep	Muscle	Route of administration IM, 7mg/300kg; Registered in Argentina		Unknown		No Codex MRLs		
Triclabendazole	Peru	Cattle	Milk	1 ml/30 kg p.v.	National Residue Program and contaminants in food	Agrovvet Market	70th JECFA, 2008; Full ADI	Codex MRLs in cattle kidney, liver, muscle, fat/skin		
Triclabendazole	Kenya, Iran	Goat	Liver, Kidney, Milk, Muscle	Iran dosage regimen: 5 mg/kg oral		Novartis	70th JECFA, 2008; Full ADI	Codex MRLs in cattle and sheep	Australia; EU	Goat residue data needed
Trimethoprim	Peru	Cattle	Muscle, Liver, Fat/Skin, Kidney	Registered in Peru		Roche		No Codex MRLs	Australia; EU	

Database on Countries' Needs for MRLs										
Name	Countries Requesting	Species	Tissues	Good Practice in the Use of Veterinary Drugs (GPVD)	Existing Data & Source	Manufacturer	JECFA Evaluation	Codex MRLs	Member Country MRLs	COMMENTS
Trimethoprim	Peru	Chicken	Muscle, Liver, Fat/Skin, Kidney	Registered in Peru		Roche		No Codex MRLs	Australia; EU	
Trimethoprim	Morocco	Every producing food species	Fat, Muscle, Liver, Kidney, Milk	Registered in Morocco	EU regulation 37/2010	ATLAS Vétérinaire VIRBAC CEVA SOPHAVET INTERVET NOVOVET BIMEDA UPHAR FRANVET		No Codex MRLs	Australia: mammals, poultry; Canada: salmonids; EU: horse, all other food producing species	Need more specific species information
Trimethoprim	Peru	Goat	Muscle, Liver, Fat/Skin, Kidney	Registered in Peru		Roche		No Codex MRLs	Australia; EU	
Trimethoprim	Peru	Pig	Muscle, Liver, Fat/Skin, Kidney	Registered in Peru		Roche		No Codex MRLs	Australia; EU	
Trimethoprim	Peru	Sheep	Muscle, Liver, Fat/Skin, Kidney	Registered in Peru		Roche		No Codex MRLs	Australia; EU	
Virginiamycin	Peru	Cattle	Muscle, Liver, Fat/Skin, Kidney	Registered in Peru				No Codex MRLs	Australia; USA: not required	
Virginiamycin	Peru	Chicken	Muscle, Liver, Fat/Skin, Kidney	Registered in Peru				No Codex MRLs	Australia; USA: broiler chickens - not required	
Virginiamycin	Guatemala	None specified				Phibro, Alpha		No Codex MRLs	Australia: cattle, pig, poultry, sheep; USA: swine	Need to better define species and tissues
Virginiamycin	Peru	Pig	Muscle, Liver, Fat/Skin, Kidney	Registered in Peru				No Codex MRLs	Australia; USA	
Zeranol	El Salvador	Cattle	Fat,	Concentration 12mg /		Unknown	32nd	Codex		

Database on Countries' Needs for MRLs										
Name	Countries Requesting	Species	Tissues	Good Practice in the Use of Veterinary Drugs (GPVD)	Existing Data & Source	Manufacturer	JECFA Evaluation	Codex MRLs	Member Country MRLs	COMMENTS
			Kidney	subcutaneous implant			JECFA, 1987; Full ADI	MRLs in cattle muscle and liver		