

Annex to European Community Comments for the  
CODEX COMMITTEE ON RESIDUES OF VETERINARY DRUGS IN FOODS,  
Washington, D.C., 28 - 31 March 2000  
Agenda item 9 b) : Methods of Analysis for Veterinary Drugs

Compilation of analytical methods available in the European Community of veterinary medicinal products							
DRUG	SPECIES	MATRIX	METHOD TYPE	LOQ	SCREEN	QUANT	CONFIRM
5-hydroxythiabend.							
abamectin	C	F, L	HPLC fluorescence	5,0		X	X
albendazole oxide	C, S	M,F	HPLC fluorescence	60,0		X	X
	C,S	L,K	HPLC fluorescence	300,0		X	X
	C,S	Mi	HPLC fluorescence	45,0		X	X
albendazole	C, S	M,F	HPLC UV detection	20,0		X	X
	C,S	L,K	HPLC UV detection	100,0		X	X
	C,S	Mi	HPLC UV detection	25,0		X	X
alpha-cypermethrin							
amoxicillin							
apramycin	C	M,F	HPLC fluorescence	500,0		X	X
	C	L,K	HPLC fluorescence	5000,0		X	X
azaperone	P	M,SkF,L,K	HPLC UV detection	25,0		X	X
benzyl penicillin (penethamate)	C	M,F,L,K	GC Nitrogen detector	10,0		X	X
	C	Mi	GC Nitrogen detector	3,0		X	X
carazolol	P	M,F,L,K	HPLC MS	25,0		X	X
	C	M,F,L,K	HPLC fluorescence	1,5		X	X
	C	Mi	HPLC fluorescence	0,5		X	X
carbadox	P	M,SkF,L,K	HPLC fluorescence*	0,3		X	X
carbamates							

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ceftiofur	C, P	M,F,L,K	HPLC UV detection	100,0		X	X
	C	Mi	HPLC UV detection	50,0		X	X
chloramphenicol							
chlorinated HC							
chlortetracycline	All species	M,Mi, E	HPLC Diode Array detection*	98,0		X	X
	All species	L,K	HPLC Diode Array detection*	180,0		X	X
clenbuterol	C,O	M	HPLC-MS	0,05		X	X
	C,O	L,K	HPLC-MS	0,3		X	X
	C	Mi	HPLC-MS	0,03		X	X
clorsulon	C	M	HPLC UV detection	25,0		X	X
	C	L	HPLC UV detection	50,0		X	X
	C	K	HPLC UV detection	100,0		X	X
closantel							
cloxacillin							
cyfluthrin							
cyhalothrin	C	F	GC-MS	250,0		X	X
	C	K	GC-MS	25,0		X	X
	C	Mi	GC-MS	10,0		X	X
cypermethrin							
danofloxacin	C	M,F,L,K	HPLC fluorescence, HPLC MS/MS	40,0		X	X
	C	Mi	HPLC fluorescence, HPLC MS/MS	12,0		X	X
	Po	M,SkF,L,K	HPLC fluorescence, HPLC MS/MS	40,0		X	X
	P	M,SkF,L,K	HPLC fluorescence	12,0		X	X
decoquinate							
deltamethrin							
dexamethazone	C	M,L,K	HPLC-MS	0,5		X	X
	C	Mi	HPLC-MS	0,3		X	X
	P,O	M,K	HPLC-MS	0,5		X	X
	P,O	L	HPLC-MS	1,0		X	X
diclazuril							
diethylstilbestrol							
dihydrostreptomycin							
diminazine							

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doramectin	C	M,L,K	HPLC fluorescence	2,5		X	X
	C	F	HPLC fluorescence	10,0		X	X
	P	M,F,L,K	HPLC fluorescence	10,0		X	x
	S	M,F,L,K	HPLC fluorescence	2,5		X	X
enrofloxacin	C,O	M,F,L,K	HPLC fluorescence	10,0		X	X
	C	Mi	HPLC fluorescence	5,0		X	X
	P,Po	M,SkF,L,K	HPLC fluorescence	10,0		X	X
	S	M,F	HPLC fluorescence	25,0		X	X
	S	L,K	HPLC fluorescence	50,0		X	X
eprinomectin	C	M,F,L,K	HPLC fluorescence	2,0		X	X
	C	Mi	HPLC fluorescence	1,0		X	X
estradiol							
febantel	C,P,S,O	M,F,L,K	HPLC fluorescence	5,0		X	X
	C,S	Mi	HPLC fluorescence	5,0		X	X
fenbendazole	C,P,S,O	M,F,L,K	HPLC fluorescence	5,0		X	X
	C,S	Mi	HPLC fluorescence	5,0		X	X
fenthion							
flubendazole	P,Po	M,SkF,L,K,	HPLC UV detection	10,0		X	X
	Po	E	HPLC UV detection	10,0		X	X
	O	M,SkF	HPLC UV detection	10,0		X	X
	O	L	HPLC UV detection	100,0		X	X
	O	K	HPLC UV detection	75,0		X	X
flumequine	C	M	HPLC fluorescence	25,0		X	X
	C	F,L,K	HPLC fluorescence	50,0		X	X
	P	M,SkF,L,K	HPLC fluorescence	50,0		X	X
	S	M,F,L,K	HPLC fluorescence	5,0		X	X
	Po	M,SkF,L	HPLC fluorescence	25,0		X	X
	Po	K	HPLC fluorescence	100,0		X	X
	O(sal)	MSk	HPLC fluorescence	50,0		X	X
	O(turkey)	M,SkF,L	HPLC fluorescence	25,0		X	X
	O(turkey)	K	HPLC fluorescence	100,0		X	X
flurazuron							
gentamicin							
gentian violet							

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halofuginone							
imidocarb							
isometamidium							
ivermectin	C,P,S	F, L	HPLC fluorescence*	10,0		X	X
	O	M,F,L,K	HPLC fluorescence	2,0		X	X
lasalocid							
levamisole	C,S,P,Po	M,F,L,K	HPLC UV detection*	10,0		X	X
melengestrol							
metriforate							
monensin							
morantel tartarate							
moxidectin	C,S,O	M,F,L,K	HPLC fluorescence	10,0		X	X
narasin							
neomycin							
nicarbazin							
novobiocin	C	Mi	HPLC UV detection	20,0		X	X
olaquinox							
organophosphates							
oxfendazole	C,P,S,O	M,F,L,K	HPLC fluorescence	5,0		X	X
	C,S	Mi	HPLC fluorescence	5,0		X	X
oxytetracycline	All species	M,F,E	HPLC Diode Array detection*	77,0		X	X
	All species	L,K	HPLC Diode Array detection*	108,0		X	X
permethrin							
phoxin							
pirlimycin	C	M,F,K,Mi	HPLC-MS	50,0		X	X
	C	L	HPLC-MS	25,0		X	X
porcine somatotropin							
procaine penicillin							
progesterone							
pyrantel							
sarafloxacin	O	MSk	HPLC fluorescence	10,0		X	X
	Po	SkF,L	HPLC fluorescence*	10,0		X	X
spectinomycin							

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spiramycin	C	M,F,L,K,Mi	HPLC UV detection	50,0		X	X
	P	M,K	HPLC UV detection	250,0		X	X
	P	L	HPLC UV detection	1000,0		X	X
	Po	M	HPLC UV detection	50,0		X	X
	Po	L	HPLC UV detection	100,0		X	X
	Po	SkF	HPLC UV detection	75,0		X	X
streptomycin							
sulfadimidine							
sulfadimidine							
temephos							
testosterone							
tetracycline	All species	M,F,E	HPLC Diode Array detection	95,0		X	X
	All species	L,K	HPLC Diode Array detection	157,0		X	X
thiabendazole	C	M,F,L,K,Mi	HPLC fluorescence	50,0		X	X
thiamphenicol	C	M,F,L,K,Mi	HPLC UV detection/GC ECD	20,0		X	X
	Po	M,SkF,L,K	HPLC UV detection/GC ECD	20,0		X	X
tiamulin	P	M,L	GC EC detection	50,0		X	X
	Po	M,SkF,L	GC EC detection	50,0		X	X
	Po	E	GC EC detection	500,0		X	X
tilmicosin	C	M,F,L,K	HPLC UV detection	25,0		X	X
	S	M,F,L,K,Mi	HPLC UV detection	25,0		X	X
	Po	M,SkF	HPLC UV detection	25,0		X	X
	Po	L,K	HPLC UV detection	60,0		X	X
	P	M,F,L,K	HPLC UV detection	25,0		X	X
trenbolone acetate							
triclabendazole	C,S	M,K,L	HPLC UV detection	100,0		X	X
zeranol							
zeranol							

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<b>EXPLANATORY NOTES:</b>							
Column 2, <b>Species:</b> enter the following codes for all species for which the method is applicable							
<b>C</b> =cattle	<b>Po</b> =poultry						
<b>P</b> =pig	<b>Mi</b> =milk						
<b>S</b> =sheep	<b>E</b> =egg						
<b>G</b> =goat	<b>O</b> =other						
Column 3: <b>Matrix</b>							
<b>M</b> =muscle	<b>Se</b> =serum						
<b>K</b> =kidney	<b>PI</b> =plasma						
<b>L</b> =liver	<b>W</b> =water						
<b>F</b> =fat	<b>SkF</b> =skin and fat in natural proportions (for porcine, poultry)						
<b>Sk</b> =skin	<b>MSk</b> = muscle and fat in natural proportions( for fin fish)						
Column 4: * indicates old methods with not up to date validation							