

American Endurance Ride Conference

Rule 13 Appendices

Revised April 13, 2026

Appendix A. Prohibited Substances

Acebutolol Sactal	Barbital Veronal	Carbinoxamine Clistin	Crotetamide
Acecarbromol	Beclomethasone Propadern	Carbromol Mifudorm	Cyamemazine Tercian
Acenocumarol	Belladonna	Carfentanil	Cyclandelate Cyclospasmol
Acepromazine Atrovet, Notensil, PromAce®	Bemegrade Megimide, Mikedimide	Carisoprodol Reia, Soma	Cyclizine Merazine
Acetaminophen (Paracetamol) ... Tylenol, Tempa, etc.	Benazeprilat, Benazepril and MC-tab Lotrel,	Carphenazine Proketazine	Cyclobarbital Phandorm
Acetanilid	Lotensin	Carpipramine Prazinil	Cyclobenzaprine Flexeril
Acetazolamide Diamox, Vetamox	Bendroflumethiazide Naturetin	Carprofen Rimadyl	Cyclomethylcaine Surfaccaine
Acetophenazine Tindal	Benoxaprofen	Carteolol Cartrol	Cyclothiazide Anhydron, Renazide
Acetophenetidin (Phenacetin)	Benoxinate Dorsacaine	Carticaine (see articaine) Septocaine;	Cyrimine Pagitane
Acetylpromazine	Benperidol Anquil	Ultracaine, etc.	Cyproheptadine Pericactin
Acetylsalicylic acid (Aspirin)	Benzazepam Tiadipona	Carvedilol Coreg	Danazol Danocrine
Adinazolam	Benzactizine Deprol, Bronchodilleten	Cathinone (khat, kat, qat, quat, chat, catha,	Dantrolene Dantrium
Albuterol (Salbutamol) Proventil, Ventolin	Benzocaine	Abyssinian tea, African tea)	Darbepoetin Aranesp
Alclofenac	Benzocetamine	Celecoxib Celebrex	Decamethonium Synchronie
Aclomethasone Aclovote	Benzodiazepines	Cephalosporins Naxcel, Kefzol	Dembroxol (Dembrexine)
Alcuronium Alloferon	Benzphetamine Didrex	(including ceftiofur, cefazolin)	Demethylpyrilamine Sputolysin
Aldosterone Aldocortin, Electrocortin	Benzthiazide	Cetirizine Zyrtec	Demoxepam
Alfentanil Alfenta	Benztropine Cogentin	Chamomile	Deoxycorticosterone Percortin, DOCA,
Almotriptan Axert	Benzylpiperazine (BZP)	Chloral betaine Beta-Chlor	Descotone, Docrostrin
Alpha-casozepine (Zylkene)	Bepiridil Bepadin	Chloral hydrate Nactec, Oridrate, etc.	Derecoxib Deremaxx
Alphaprodine Nisentil	Betamethasone Betasone, etc.	Chloraldehyde (chloral)	Desipramine Norpromine, Pertofrane
Alpidem Anaxyl	Betaxolol Kerlone	Chloralose (Alpha-	Desonite Des Owen
Alprazolam Xanax	Bethanechol Urecholine, Duvoid	Chloralose) Chlorbutanol	Desoximetasone Topicort
Alprenolol	Bethanidine Esbatal	Chlordiazepoxide Librium	Detomidine Dormosedan
Althesin Saffan	Biperiden Akineton	Chlorhexidol 2	Devil's Claw
Ambenonium Mytelase, Myeuran	Biriperone	Chlormerodrin Neohydrin	Dexamethasone Azium, etc.
Ambroxol Ambril, etc.	Bisoprolol Zebeta, Bisobloc, etc.	Chlormezanone Trancopal	Dextromethorphan
Amcinonide Cyclocort	Bitolterol Effectin	Chloroform 2	Dextromoramide Palfium, Narcolo
Amiloride Moduretic; Midamor	Boldenone Equipoise	Chlorophenesin Maolate	Dextropropoxyphene Darvon
Aminocaproic acid Amicar, Caprocid	Bretylium Bretylol	Chloroprocaine Nesacaine	Dezocine Dalgan
Amiodarone	Brimonidine Alphagan	Chloroquine Avloclor	Diamorphine
Aminoglycosides Gentocin, Amiglyde, Tobrex,	Bromazepam Lexotan, Lectopam	Chlorothiazide Diuril	Diazepam Valium
Biosol, Adspec (including gentamicin, amikacin,	Bromfenac Duract	Chlorpheniramine Chlortrimeton, etc.	Diazoxide Proglycem
tobramycin, neomycin, spectinomycin	Bromhexine Oletor, etc.	Chlorprothazine Newiplege	Dibucaine Nupercainal, Cinchocaine
2-Aminoheptane Tuamine	Bromisovalum Diffucord, etc.	Chlorpromazine Thorazine, Largactil	Dichloralphenazone Febenol, Isocom
Aminophylline Aminophyllin, etc.	Bromocriptine Parlodel	Chlorprothixene Taractan	Dichlorphenamide Daramide
Aminopyrine	Bromodiphenhydramine	Chlorthalidone Hydrotron	Diclofenac Surpass, Voltaren, Voltarol
Amisometradine Rolictron	Bromperidol Bromidol	Chlorzoxazone Paraflex	Dicumarol Dicumarol
Amisulpride Solian	Brotizolam Broctol	Cilostazol Pletal	Diethylpropion Tepanil, etc.
Amitraz Mitaban	Budesonide Pulmacort, Rhinocort	Cimetazol	Diethylthiambutene Themalon
Amitriptyline Elavil, Amitril, Endep	Bufotenine	Cimetidine Tagamet	Diflorasone Florone, Maxiflor
Amlodipine Ammivin, Norvasc	Bumetanide Bumex	Cinchocaine Nupercaine	Diflucortolone Flu-Cortinest, etc.
Amobarbital Amytal	Bupivacaine Marcaine	Citalopram Celex	Diflunisal
Amoxapine Asendin	Buprenorphine Temgesic	Clemastine Tavist	Digitoxin Crystodigin
Amperozide	Bupropion Wellbutrin	Clenbuterol Ventipulmin	Digoxin Lanoxin
Amphetamines	Buspirone Buspar	Clibucaine Batrax	Dihydrocodeine Parcodin
Amrinone	Butabarbital (Secbutobarbitone) Butacaps,	Clidinium Quarezan, Clindex, etc.	Dihydroergotamine
Amyl nitrite	Butasol, etc.	Clobazam Urbanyl	Dilorazepam Briantum
Anileridine Leritine	Butacaine Butyn	Clobetasol Temovate	Diltiazem Cardizem
Anilopam Anisine	Butalbital (Talbutal) Fiorinal	Clocapramine	Dimefline
Anisindione	Butamben (butyl aminobenzoate) Butesin	Clocortolone Cloderm	Dimethisoquin Quotane
Anisotropine Valpin	Butanilicaine Hostacain	Clodronate Osphos	Dimethylglycine DMG
Antipyrine	Butaperazine Repoise	Clofenamide	Dimethylsulfoxide (DMSO) Domosol
Apazone (Azapropazone) Rheumox	Butocetamide Listomin	Clomethiazole (Chlormethiazole)	Diphenadione
Apomorphine	Butorphanol Stadol, Torbugesic	Clomipramine Anafranil	Diphenhydramine Benadryl
Aprindine	Butoxyacaine Stadacain	Clonazepam Klonopin	Diphenoxylate Difenoxin, Lomotil
Aprobarbital Alurate	N-butylscopolammonium bromide Buscopan	Clonidine Catapres	Dipremorphine M50/50
Arecoline	Caffeine	Clorazepate Tranxene	Dipyridamole Persantine
Arnica	Calusterone Methosorb	Clormecaine Placacid	Dipyrrone Novin, Methampyrone
Arsenic	Camazepam Paxor	Clothiapine Entermim	Disopyramide Norpace
Articaine Septocaine; Ultracaine, etc.	Camphor	Clotiazepam Trecalmo, Rize	Divalproex Depakote
Ashwaghandha	Candesartan	Cloxacolam Enadel, Sepazon, Tolestan	Dixyrazine Esucos
Atenolol Tenormin	Cannabidiol (CBD)	Clozapine Clozaril, Leponex	Dobutamine Dobutrex
Atomoxetine Straterra	Capsaicin Atcand	Cocaine	Dopamine Intropin
Atracurium Tracrium	Captodiamine Covatine	Codeine	Donepezil Aricept
Atropine	Captopril Capolen	Colchicine	Doxacurium Nuromax
Azacylonol	Carazolol Carbacel, Conducton	Comfrey	Doxapram Dopram
Azaperone Stresnil, Suicalm, Fentaz (with	Carbachol Lentin, Doryl	Conorphone	Doxazosin
Fentanyl)	Carbamezapine Tegretol	Corticaine Ultracain	Doxefazepam Doxans
Bacitracin	Carbidopa + levodopa Sinemet	Cortisone Cortone, etc.	Doxepin Adapin, Sinequan
Baclofen Lioresal		Cromolyn Intel	Doxylamine Decapryn

A. Prohibited Substances . . .

Nimodipine Nemotop
 Nitrazepam Mogadon
 Nitrofurazone ointment
 Nitroglycerin
 Nizatidine Axid
 Nordiazepam Calmday, Nordaz, etc.
 Norepinephrine
 Norethandrone
 Nortestosterone
 Nortriptyline Aventyl, Pamelor
 Nyldrine Arlidin
 Olanzapine Zyprexa
 Olmesartan Benicar
 Olsalazine Dipentum
 Omeprazole administered in any amount higher than the preventive dose of 1.1 mg/kg per day ...
 Gastroguard, Ulcerguard, Prilosec, Losec
 Ostarine
 Orphenadrine Norfex
 Oxandrolone Anavar
 Oxaprozin Daypro, Deflam
 Oxazepam Serax
 Oxazolam Serenal
 Oxcarbazepine Trileptal
 Oxprenolol Trasicor
 Oxybutynin
 Oxycodone Percodan
 Oxymetazoline Afrin
 Oxymetholone Adroyd, Anadrol
 Oxymorphone Numorphan
 Oxyperitine Forit, Integrin
 Oxyphenbutazone Tandearil
 Oxyphenyclimine Daricon
 Oxyphenonium Antrenyl
 Pancuronium Pavulon
 Pantoprazole Protonix
 Papaverine Pavagen, etc.
 Paraldehyde Paral
 Paramethadione Paradione
 Paramethasone Haldron
 Pargyline Eutonyl
 Paroxetine Paxil, Seroxat
 Passion flower
 Pemoline Cylert
 Penicillins
 (including procaine penicillin G, sodium or potassium penicillin G, ampicillin)
 Penbutolol Levatol
 Pentfluridol Cyperon
 Pentaerythritol tetranitrate Duotrate
 Pentazocine Talwin
 Pentobarbital Nembutal
 Pentoxifylline Trental, Vazofrin
 Pentylene tetrazol Metrazol, Nioric
 Perazine Taxilan
 Perfluorodecolin
 Perfluorodecahydronophthalene
 Perfluoroocetyl bromide
 Perfluorotripropylamine
 Perfluorocarbons
 Periciazine Alodept, etc.
 Perindopril Biprel
 Perlapine Hypnodin
 Perphenazine Trilafon
 Phenacemide Phenurone
 Phenaglycodol Acalo, Alcamid, etc.
 Phenazocine Narphen
 Phencyclidine (PCP) Sernylan
 Phendimetrazine Bontril, etc.
 Phenelzine Nardelzine, Nardil
 Phenibut (B-phenyl gamma aminobutyric acid)
 Phenicols Nufor
 (including chloramphenicol, florfenicol)
 Phenindione Hedulin
 Phenmetrazine Preludin
 Phenobarbital Luminal
 Phenoxybenzamine Dibenzyline
 Phenprocoumon Liquamar
 Phensuximide Milontin
 Phentermine Iomamin
 Phentolamine Regitene

Phenylbutazone Butazolidin
 Phenylephrine Isophrin, Neo-Synephrine
 Phenylpropanolamine Propadrine
 Phenytoin Dilantin
 Physostigmine Eserine
 Picrotoxin
 Pimindone Alvodine, Cimadon
 Pimozide Orap
 Pinazepam Domar
 Pindolol Viskin
 Pipamperone Dipiperon
 Pipercuronium Arduan
 Pipequaline
 Piperacetazine Psymod, Guide
 Piperocaine Metycaine
 Pipotiazine Lonseren, Piportil
 Pipradrol Datafil, Gerondyl, etc.
 Piquindone
 Pirbuterol Maxair
 Pirenperone
 Pirenzapine Gastrozepin
 Piretanide Arelix, Tauliz
 Piritramide
 Piroxicam Feldene
 Polyethylene glycol
 PolymixinB
 Polythiazide Renese
 Ponazuril Marquis
 Pramoxine Tronothaine
 Prazepam Verstran, Centrax
 Prazosin Minipress
 Prednisolone Delta-Cortef, etc.
 Prednisone Meticorten, etc.
 Prethcamide
 Pilocaine Citanest
 Primidone Mysoline
 Probenecid
 Procainamide Pronestyl
 Procaine
 Procaine penicillin
 Procatrol ProAir
 Prochlorperazine Darbazine, Compazine
 Procyclidine Kemadrin
 Promazine Sparine
 Promethazine Phenergan
 Propafenone Rythmol
 Propanidid
 Propantheline Pro-Banthine
 Proparacaine Ophthaine
 Propentophylline Karsivan
 Propiomazine Largon
 Propionylpromazine Tranvet
 Propiram
 Propofol Diprivan, Disoprivan
 Propoxycaine Ravocaine
 Propoxyphene
 Propranolol Inderal
 Propylhexedrine Benzedrex
 Prothipendyl Dominal
 Protokylol Ventaire
 Protriptyline Concordin, Triptil
 Proxibarbital Axeen, Centralgol
 Pseudoephedrine Cenafed, Novafed
 Pyridostigmine Mestinon, Regonol
 Pyrilamine Neoantergan, Equihist
 Pyrimethamine Daraprim
 Pyrithidione Hybersulfan, Sonodor
 Quazipam Doral
 Quetiapine Seroquel
 Quinapril, metabolite Quinaprilat Accupril
 Quinidine Quindex, Quincardine
 Rabeprazole Aciphex
 Racemethorphan
 Racemorphan
 Raclopride
 Ractopamine Raylean
 Ramipril, metabolite Ramiprilat Altace
 Ranitidine Zantac
 Rauwolfia
 Red poppy
 Remifentanil Ultiva

Remoxipride Roxiam
 Reserpine Serpasil
 Rifampin
 Rilmazafone
 Risperidone
 Ritanserin
 Ritodrine Yutopar
 Rivastigmine Exelon
 Rizatripan Maxalt
 Rocuronium Zemuron
 Rofecoxib Vioxx
 Romifidine Sedivet
 Ropivacaine Naropin
 Salicylamide
 Salicylate
 Salmeterol
 Scopolamine (Hyoscine) Triptone
 Secobarbital (Quinalbarbitone) Seconal
 Selegiline Eldepryl, Jumex, etc.
 Sertraline Lustral, Zoloft
 Sibutramine Meridia
 Sildenafil Viagra
 Skullcap
 Snake Venoms
 Sodium cacodylate
 Somatropin Nutropin
 Somatrem Protopin
 Sotalol Betapace, Sotacor
 Spiplomazine
 Spiperone
 Spirapril, metabolite Spiraprilat Renomax
 Spironalactone Aldactone
 Stanozolol Winstrol-V
 Strychnine
 Succinylcholine Sucostrin, Quelin, etc.
 Sucralfate Carafate, Sulcrate
 Sufentanil Sufenta
 Sulfasalazine Azulfidine, Azaline
 Sulfonamides and Potentiated Sulfonamides
 Tribissen, Septra, TMS
 (sulfamethazine, trimethoprim/
 sulfadiazine)
 Sulfondiethylmethane
 Sulfonmethane
 Sulforidazine Inofal
 Sulindac Clinoril
 Sulpiride Aiglonyl, Sulptil
 Sultopride Barnetil
 Sumatriptan Imitrex
 Tadalafil Cialis
 Talbutal Lotusate
 Tandospirone
 Telmisartan Micardis
 Temazepam Restoril
 Tenoxicam Alganex, etc.
 Terazosin Hytrin
 Terbutaline Brethine, Bricanyl
 Terfenadine Seldane, Triludan
 Testolactone Teslac
 Testosterone
 Tetrabenazine Nitoman
 Tetracaine Pontocaine
 Tetracyclines
 (including oxytetracycline, doxycycline)
 Tetrahydrocannabinol (THC)
 Tetrahydrozoline Tyzine
 Tetrazepam Musaril, Myolastin
 THC
 Thebaine
 Theobromine
 Theophylline Aqualphyllin, etc.
 Thialbarbital Kemithal
 Thiamine
 Thiamylal Surital
 Thiethylperazine Torecan
 Thiopental Pentothal
 Thiopropazate Dartal
 Thioproperazine Majeptil
 Thioridazine Mellaril
 Thiosalicylate
 Thiothixene Navane
 Thiphenamil Trocinate

Thymosin Beta-4 Vecta TB-1000
 Tiapride Itaprid, Luxoben, etc.
 Tiaprofenic acid Surgam
 Tiletamine Component of Telazol
 Tiudronate Tildren
 Timiperone Tolopelon
 Timolol Blocardrin
 Tocainide Tonocard
 Topiramate Topamax
 Tolazoline Priscoline
 Tolmetin Tolectin
 Topirimate Topamax
 Torsemide (Torasemide) Demadex
 Tramadol Ultram
 Trandolapril (and metabolite, trandolaprilat)
 Tarka
 Tranexamic acid
 Tranylcypromine Parnate
 Trazodone Desyrel
 Trenbolone Finoplix
 Tretoquinol Inolin
 Triamcinolone Vetalog, etc.
 Triamterene Dyrenium
 Triazolam Halcion
 Tribromethanol
 Tricaine methanesulfonate Finquel
 Trichlormethiazide Naqua, Naquasone
 Trichloroethanol
 Trichloroethylene Trilene, Trimar
 Triclofos Triclos
 Tridihexethyl Pathlon
 Trifluomethazine Nortran
 Trifluoperazine Stelazine
 Trifluoperidol Triperidol
 Trifluoromazine Vetame, Vesprin
 Trihexylphenidyl Artane
 Trimeprazine Temaril
 Trimethadione Tridione
 Trimethaphan Arfonad
 Trimipramine Surmontil
 Tripelennamine PBZ
 Triprolidine Actidil
 Tropicamide
 Tubocurarine (Curare) Metubin
 Tybamate Benvil, Nospan, etc.
 Tyrosine
 Urethane
 Valerian
 Valnoctamide Nirvanyl
 Valsartan Diovan
 Vardenafil Levitra
 Vedaprofen
 Venlafaxine Efflexor
 Veralipride Accional, Veralipril
 Verapamil Calan, Isoptin
 Vercuronium Norcuron
 Vervain
 Viloxazine Catatrol, Vivalan, etc.
 Vinbarbital Delvinol
 Vinylbital Optanox, Speda
 Warfarin Coumadin, Coufarin
 Xylazine Rompun, Bay Va 1470
 Xyllocaine
 Xylometazoline Otrivin
 Yohimbine
 Yucca other than as a feed additive for the purpose of and at the levels of ammonia reduction and intestinal health.
 Zafirlukast Accolate
 Zaleplon Sonata
 Zeranone Ralgro
 Zileuton Zylfo
 Ziprasidone Geoden
 Zolazepam
 Zolmitriptan Zomig
 Zolpidem Ambien, Stilnox
 Zomepirac Zomax
 Zonisamide Zonegran
 Zopiclone Imovan
 Zotepine Lodopin
 Zuclopenthixol Ciatyl, Cesordinol
 Zylkene (alpha-casozepine)

Appendix B. Categories of Prohibited Substances

1. Anti-inflammatory drugs (steroidal and/or non-steroidal) or other substances that have similar pharmacological actions
2. Antipsychotic, anti-epileptic and antihypertensive substances
3. Antidepressants such as selective serotonin reuptake inhibitors, monoamine oxidase inhibitors and tricyclic antidepressants
4. Tranquilizers and sedatives including benzodiazepines and barbiturates
5. Antihistamines
6. Narcotics and opioid analgesics
7. Amphetamines and other central nervous system stimulants including cocaine and related psychotic drugs
8. Beta-blockers
9. Diuretics
10. Anabolic steroids and growth promoters
11. Peptides and genetically recombinant substances such as erythropoietin, insulin growth factor and growth hormone
12. Hormonal products except for altrenogest in mares only, administered for the purpose of controlling the estrus cycle.
13. Pharmacological substances designed and marketed primarily for human use or use in other species and for which alternative and generally accepted products are available for use in horses
14. Hypersensitizing or desensitizing agents
15. Oxygen carriers
16. Antibiotics
17. Antiprotozoal antimicrobials
18. Antifungal medications
19. Proton pump inhibitors administered at therapeutic levels and H2 receptor antagonists
20. Masking agents
21. Substances designed, marketed, and/or administered to affect the behavior of an equine in a calming (tranquilizing) or energizing (stimulating) manner. This is to include herbal and/or natural products.-
22. Local anaesthetics
23. Sympathomimetic cardiac stimulants
24. Respiratory stimulants
25. Bronchodilators and products used for the treatment of recurrent airway disease, mucolytics and cough suppressants
26. Muscle relaxants
27. Anti-coagulants
28. Anticholinergic substances
29. Evacuants and laxatives
30. Topical agents, including ophthalmic, otic, dermal and wound ointments or liniments that contain any prohibited substance
31. Any substance administered while competing in an endurance ride by nasogastric tube or syringe/needle.
32. Yucca other than administered for the purpose of and at the levels of ammonia reduction and intestinal health. Yucca administered for any other purpose or at levels to provide anti-inflammatory effect is prohibited.
33. Bisphosphonates
34. Cannabidiol (CBD), tetrahydrocannabinol (THC) and all derivatives of the Cannabis Sativa plant family
35. Selective androgenic receptor modulators (SARM), selective estrogen receptor modulators (SERM)) and P450 aromatase inhibitors

Appendix C. Allowed Substances

1. Vitamins (other than thiamine administered for the purpose of providing a calming/tranquilizing effect)
2. Minerals
3. Electrolytes administered orally
4. Topical agents such as liniments and wound dressings that do not contain a prohibited substance
5. Topically applied isopropyl alcohol
6. Ice and ice water administered orally and/or topically
7. Altrenogest in mares only, administered for the purpose of controlling the estrus cycle.
8. The following chondroprotective agents: glucosamine, chondroitin sulfate, polysulfated glycosaminoglycan, hyaluronate. Not to be administered by needle/syringe while competing in an endurance ride (see Appendix B item 31).
9. Acid neutralizers including aluminum hydroxide (Maalox, Neighlox)
10. Anthelmintics (dewormers) with the exception of levamisole
11. Probiotics
12. Magnesium sulphate administered for the purpose of electrolyte supplementation. Magnesium sulphate administered for the purpose of and at the levels of providing a calming/tranquilizing effect is prohibited.
13. Pergolide (Prascend) – 1 mg/day
14. Vaccines and immunostimulants*
15. Omeprazole administered at a preventative dose no higher than 1 mg/kg/day
16. Ophthalmic cyclosporine

*There is insufficient information available to advise as to the timing of administration close to the time of competition.

Appendix D. Threshold Levels

Urinary thresholds refer to the parent drug and/or metabolite. (S = stallions, G = geldings, M = mares)

In the absence of a listed threshold in Appendix D, AERC rule 13 will default to the Racing Medication and Testing Consortium (RMTCC) existing thresholds.

Acepromazine25 ng/mlurine	Dipyron.....1,000 ng/ml plasma	Naproxen5,000 ng/ml..... plasma
Albuterol1 ng/mlurine	Estradiol45 ng/ml (S)urine	Oxyphenbutazone1,000 ng/ml plasma
Arsenic200 ng/mlurine	Firocoxib.....20 ng/ml plasma	Pentazocine50 ng/mlurine
Atropine10 ng/mlurine	Flumethasone.....10 ng/mlurine	Phenylbutazone1,000 ng/ml plasma
Benzocaine50 ng/mlurine	Flunixin (Banamine).....50 ng/ml plasma	Prednisolone1,000 ng/mlurine
Boldenone15 ng/ml (S)urine	Furosemide100 ng/ml.....plasma*	Prednisone100 ng/ml.....urine
BZE (Benzoylcegonine)50 ng/mlurine	Hydrocortisone1,000 ng/mlurine	Procaine50 ng/mlurine
Betamethasone60 ng/mlurine	Imipramine20 ng/ml plasma	Promazine25 ng/mlurine
Bupivacaine5 ng/mlurine	Isoflupredone60 ng/mlurine	Pyrilamine50 ng/mlurine
Butorphanol10 ng/mlurine	Isoxsuprine1,000 ng/mlurine	Salicylates750,000 ng/ml.....urine
Caffeine100 ng/ml plasma	Ketoprofen20 ng/ml plasma	Salicylic Acid625,000 ng/mlurine
.....300 ng/mlurine	Lidocaine50ng/mlurine5,400 ng/ml plasma
Clenbuterol.....25 pg/ml plasma	Meclofenamic Acid.....1,000 ng/ml plasma	Terbutaline10 ng/mlurine
Dantrolene.....100 ng/ml plasma	Mephesisin.....200 ng/ml plasma	Testosterone
Dexamethasone60 ng/mlurine	Mepivacaine10 ng/mlurine	(epitestosterone).....20 ng/ml (G).....urine
Diclofenac sodium.....1.5 ng/ml plasma	Methocarbamol1,000 ng/ml plasma	Testosterone55 ng/ml (M)urine
.....100 ng/mlurine	Methoxytramine4,000 ng/mlurine	Tetramisole80 ng/ml plasma
Dimethylsulfoxide (DMSO).....15,000 ng/mlurine	Methylprednisolone1,000 ng/mlurine	Theobromine2,000 ng/ml.....urine
.....1,000 ng/ml plasma	Morphine50 ng/mlurine	

*The threshold for furosemide applies only if the urine specific gravity is less than 1.010.

Appendix E. Known Detection Times for Substances Used Therapeutically in the Horse
 Provided as a guideline only

Drug (Brand Name)	Therapeutic Indication	Typical Dose/Route for 1000 lb (450 kg) Horse	Detection Time and Source of Information
Tranquilizers/Sedatives			
acepromazine (Atravet®, PromAce®)	Tranquilizer used for calming effect. Has no pain-relieving action.	0.05 mg/kg IV 0.05 mg/kg IV 0.02 mg/kg orally 0.15 mg/kg orally	1.5 days (CPMA) 2 days (HIWU) 1 day (CPMA) 3 days (FEI, HIWU)
butorphanol (Torbugesic®)	Sedative with pain-relieving action, used frequently to treat colic.	0.01 mg/kg IV 0.1 mg/kg IV	2 days (CPMA) 3 days (FEI, HIWU)
detomidine (Dormosedan®)	Sedative with pain-relieving action, used frequently to treat colic.	0.01 mg/kg IV 0.02 mg/kg IV 0.05 mg/kg IV 0.05 mg/kg sublingual	1.5 days (CPMA) 2 days (USEF, FEI, HIWU) 3 days (CPMA) 3 days (CPMA)
romifidine (Sedivet®)	Sedative with pain-relieving action, used frequently to treat colic.	0.08 mg/kg IV 0.1 mg/kg IV	2.5 days (FEI, HIWU) 1.5 days (CPMA)
xylazine (Rompun®)	Sedative with pain-relieving action, used frequently to treat colic.	0.4 mg/kg IV No dosage specified 1.1 mg/kg IV	3 days (FEI, HIWU) 7 days (USEF) 2 days (CPMA)
Anti-inflammatories/Analgesics			
acetaminophen (Tylenol®)	Analgesic and antipyretic.	0.02 mg/kg orally	4 days (CPMA)
diclofenac sodium (Surpass®)	Applied topically as an analgesic and anti-inflammatory.	Five-inch ribbon of 1% cream applied topically twice daily for up to 10 days	5 days (CPMA)
dimethylsulfoxide (DMSO)	Applied topically as an anti-inflammatory agent, given IV to treat myopathies and as a diuretic.	19.8 grams IV or topically 63 grams IV diluted in 1 L of LRS	1.5 days (CPMA) 2 days (HIWU)
dipyrone (metamizole) (Zimeta®)	Analgesic and antipyretic.	16 mg/kg IV 30 mg/kg IV	1.5 days (CPMA) 3 days (FEI, HIWU)
firocoxib (Equioxx®)	Analgesic and anti-inflammatory.	0.1 mg/kg orally once daily for 5-14 doses 0.1 mg/kg orally once daily for 7 doses	14 days (CPMA, FEI) 15 days (HIWU)
flunixin meglumine (Banamine®)	Analgesic and anti-inflammatory.	1.1 mg/kg IV	2 days (CPMA, HIWU) 3 days (USEF) 6 days (FEI)
gabapentin (Neurontin®)		No dosage specified	14 days (USEF)
ketoprofen (Ketofen®, Anafen®)	Analgesic and anti-inflammatory.	2.2 mg/kg IV	2 days (CPMA, HIWU) 4 days (FEI)

Appendix E. Known Detection Times for Substances Used Therapeutically in the Horse
Provided as a guideline only

phenylbutazone (“bute”)	Analgesic and anti-inflammatory.	4.4 mg/kg single IV dose 8.8 mg/kg single IV dose 4.4 mg/kg orally every 12 hr for 5 days 6.6 mg/kg PO, once daily for 3 days	2 days (CPMA, HIWU) 7 days (FEI) 7 days (FEI) 4 days (CPMA)
Corticosteroids			
betamethasone (BetaVet®)	Approved for the control of pain and inflammation associated with equine osteoarthritis.	9 mg IA in up to 2 joints/horse 30 mg IA in up to 2 joints/horse	6 days (CPMA) 7 days (FEI, USEF)
ciclesonide (Alvesco®)	Inhaled corticosteroid for equine asthma.	2744 µg every 12 hr via MDI for 5 days followed by 4116 µg every 1 day for 5 days	2 days (CPMA, HIWU), 5 days (FEI)*
dexamethasone	Anti-inflammatory; allergic reactions.	10 mg IV 25 mg IV, IM 0.06 mg/kg IV 10 mg orally 20 mg orally	2 days (FEI) 2 days (CPMA) 3 days (HIWU) 2 days (CPMA) 2 days (HIWU)
fluticasone (Flovent®)	Inhaled corticosteroid for equine asthma.	2 mg every 12 hr via MDI for 7 days	1 day (CPMA)
isoflupredone (Predef 2X®)	Anti-inflammatory; allergic reactions.	8 mg IA in a single joint 10 mg IA in a single joint IA injection sacroiliac injection	14 days (HIWU) 6 days (CPMA) 7 days (USEF)** 28 days (USEF)**
methylprednisolone acetate (Depo Medrol®)	Anti-inflammatory; allergic reactions.	100 mg IA in 1 joint 100 mg IA in 2 joints 200 mg IA in 3 joints	6 days (CPMA) 14 days (CPMA, FEI, USEF) 28 days (FEI)
prednisolone	Anti-inflammatory; allergic reactions.	400 mg orally every 12 hr for 5 days 500 mg IV	2 days (CPMA) 2 days (CPMA)
triamcinolone (Vetalog®)	Anti-inflammatory; allergic reactions.	20 mg IA in 1 joint 12 mg IA in 1 joint No dose specified 10 mg topically	6 days (CPMA) 7 days (FEI) 7 days (USEF) 1 day (CPMA)
Anabolic Steroids**			
boldenone		No dose specified	82 days (USEF)
nandrolone		No dose specified	35 days (USEF)
stanozolol		No dose specified	47 days (USEF)
testosterone		No dose specified	30 days (USEF)
Antihistamines			
cetirizine (Reactine®)	Allergic reactions.	0.4 mg/kg orally every 12 hr for 5 doses	2 days (HIWU) 3 days (CPMA)

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		0.45 mg/kg orally for 1 dose 0.38 mg/kg orally 12 h for 9 doses No dose specified	4 days (FEI) 10 days (USEF)
chlorpheniramine (ChlorTrimeton®)	Allergic reactions.	0.17 mg/kg IM once	3 days (CPMA)
cyproheptadine (Periactin®)	Allergic reactions, photic head shaking.	0.09 orally once daily for 5 days No dose specified	2 days (CPMA) 7 days (USEF)
diphenhydramine (Benadryl®)	Allergic reactions.	1.1 mg/kg orally	2 days (CPMA)
hydroxyzine (Atarax®)	Allergic reactions.	1.1 mg/kg orally every 12 hr for 5 days 0.42 mg/kg orally every 12 hr for 9 doses No dose specified	4 days (CPMA) 4 days (HIWU) 10 days (ISEF)
pyrilamine (Tri-Hist® Granules, also contains pseudoephedrine)	Allergic reactions.	1.3 mg/kg orally every 12 hr for 6 days No dose specified	1.5 days (CPMA) 7 days (USEF)
Other Respiratory Drugs			
albuterol (salbutamol) (Ventolin®)	Bronchodilator for equine asthma.	0.8 mg once via MDI 0.5 mg every 4 hr via MDI for 2 days 0.5 mg every 6 hr via MDI	1 day (CPMA) 3 days (HIWU) 4 days (FEI)
clenbuterol (Ventipulmin®)	Bronchodilator for equine asthma.	0.8 µg/kg every 12 hr for 8 days 0.8 µg/kg every 12 hr for 5 days 0.8 µg/kg every 12 hr for up to 30 days	7 days (FEI) 28 days (CPMA) 21 days followed by testing before racing (HIWU)
Dembrexine (Sputolysin®)	Expectorant and anti-tussive.	0.3 mg/kg every 12 hr for 8 doses 0.3 mg/kg every 12 hr for 9 doses	3 days (CPMA) 5 days (FEI)
Local Anesthetics			
lidocaine (Xylocaine®)	Local anesthetic used to block nerves.	150 mg SC once 200 mg SC once 60-300 mg SC once 500 mg topically once No dose specified	1 day (CPMA) 2 days (HIWU) 2 days (FEI) 1.5 days (CPMA) 7 days (USEF)
mepivacaine (Carbocaine®)	Local anesthetic used to block nerves.	300 mg SC 250 mg IA 40 mg SC 0.07-0.09 mg/kg SC	2 days (CPMA) 3 days (CPMA) 3 days (HIWU) 2 days (FEI)

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Muscle Relaxants			
dantrolene (Dantrium®)	Muscle relaxant used in horses with myopathies (“tying-up”).	1.5 g orally single dose 1 g orally daily for 5 days 0.5 g orally daily for 3 days	2 days (CPMA) 2.5 days (CPMA) 2 days (HIWU)
guaifenesin (Guailaxin®, Gecolate®)	Muscle relaxant used in horses with myopathies (“tying-up”).	2 g IV, orally 2 g orally every 12 h for 5 doses	1 day (CPMA) 2 days (HIWU)
Bisphosphonates			
clodronate (Osphos®)	To treat navicular disease.	1.8 mg/kg IM once	28 days (USEF) 30 days (CPMA, FEI)
tiludronate (Tildren®)	To treat navicular disease.	1 mg/kg IV once 0.1mg/kg/day IV for 10 days	28 days (USEF) 28 days (FEI)
Gastrointestinal Drugs			
cimetidine (Tagamet®)	H2-blocker to prevent and/or treat ulcers.	20 mg/kg orally every 12 hr for 3.5 days 9 mg/kg orally every 12 h for 3 days	1 day (HIWU) 2 days (CPMA)
misoprostol (Cytotec®)	Synthetic prostaglandin E ulcer preventative.	5 µg/kg orally every 12 hr for 14 days	2 days (HIWU)
N-Butylscopolammonium (Buscopan®)	Anticholinergic drug used to relax smooth muscle for spasmodic colic and to facilitate rectal examination. May also be used for bronchodilation in acute attacks of equine asthma.	0.3 mg/kg IV once	1 day (CPMA, FEI) 2 days (HIWU)
omeprazole (Gastroguard®)	Proton pump inhibitor to prevent and/or treat ulcers.	4 mg/kg orally every 24 hr for 4 doses	1 day (HIWU)
ranitidine (Zantac®)	H2-blocker to prevent and/or treat ulcers.	8 mg/kg orally every 12 hr for 3.5 days 6.6 mg/kg orally every 12 hr for 4 days	1 day (HIWU) 2 days (CPMA)

*These detection times are based on the use of the Aservo EquiHaler™ which is no longer marketed. Ciclesonide is available in human metered dose inhalers containing 80 µg and 160 µg per “puff”.

** Only compounded products are available.

Appendix F. Prohibited Treatments

1. Acupuncture, or any procedure involving the insertion of a needle into the equine.

2. Osseous manipulation (chiropractic).

3. Any manipulative procedure using an external device or instrument such as devices to manipulate or stimulate acupressure or response points, including but not limited to bioscans, laser lights or magnetic stimulation.

4. Any procedure involving the placement of a tube or other instrument into the equine (other than the oral cavity using a dosing syringe, see Appendix G item 4) for the purpose of administering a substance or to stimulate a response.

5. Extracorporeal Shockwave therapy or similar device to produce a temporary or permanent analgesia. This would also include radiofrequency (RF) neurectomy. Extracorporeal shockwave therapy is not permitted within 7 days of competition.

6. Any external magnetic field device or electropulse generator device applied either over the entire body or specifically on pressure points. This would include but not be limited to P3 machines.

The use of external magnetic field devices and electropulse generating devices on equines shall be allowed up to 72 hours prior to the pre-ride veterinary exam at AERC sanctioned rides, but use within 72 hours of the pre-ride veterinary exam and during a ride shall be prohibited.

7. Administration of a local anesthetic, either topical, injectable or oral to any part of the horse or any procedure that results in desensitization of any part of the equine.

8. Pinfiring/pinfreezing – visible active, open lesions from such a procedure would prohibit a horse from competition.

9. The use of substances or devices that cool below 0 degrees Celsius.

10. Equivibe and similar whole body vibration treatments.

11. Kinesiology taping.

12. Far infrared radiation (FIR) products.

Appendix G. Allowable Treatments

1. Massage, deep massage/acupressure using digital (hand/finger) pressure only.

2. The use of instruments commonly know as grooming instruments.

3. The use of ice boots and other means of applying ice/ice water topically. Can include the use of compression wraps as well as devices that circulate

ice water. The use of devices or substances that cool below 0 degrees Celsius are prohibited.

4. The oral administration of permitted substances by means of dosing syringe.

5. Healed scars from pinfiring are allowed.