

STATE OF NEW JERSEY  
DEPARTMENT OF LAW AND PUBLIC SAFETY  
DIVISION OF THE NEW JERSEY RACING COMMISSION



QUICK REFERENCE:

**MEDICATION GUIDELINES FOR  
RACE HORSES  
2008**

**This guide is not considered a substitute for the complete administrative rules of the New Jersey Racing Commission published under New Jersey Administrative Code 13:70 and 13:71.**

The intent of the New Jersey Racing Commission's medication rules is to protect the integrity of horse racing, to guard the health of the horse, and to safeguard the interests of the public and racing participants through the prohibition and /or control of all drugs and or/foreign substances foreign to the natural horse. This Quick Reference Guide presents suggested withdrawal times in which therapeutic medications must be withdrawn before the start of a racing program or specific race in which the horse is entered.

This booklet provides medication guidelines to assist horsemen in complying with the New Jersey Racing Commission's medication rules. Drug testing services are provided by the NJ State Police –Office of Forensic Sciences-Equine Testing Laboratory. **This booklet is for reference purposes only, and is not a warranty, guarantee or assurance about any generic substance described herein. The information does not relieve or lessen a trainer's responsibilities outlined in the medication rules and should not be considered a substitute for the complete Medication and Testing Regulations of the Commission contained in N.J.A.C. 13:70-14A and 13:71-23.**

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Substances that may be administered **any time** up to race time:

**Topical application only:**

Antiseptics, ointments, salves, DMSO, leg rubs, leg paints and liniments.  
These applications cannot contain benzocaine, steroids, or other drugs (Read labels).

**Up to 4 hours pre race:**

**FUROSEMIDE (Lasix or Salix)**

**The administration of Furosemide (Lasix or Salix) and Aminocaproic acid is permissible under the procedures outlined under the Lasix rule in racing. 13:71-23A OR 13:70-14A.9. :**

Furosemide (Lasix or Salix)  
150 – 500 mg  
I.V. only  
Up to 4 hours pre race  
Licensed practicing veterinarian

**ADJUNCT BLEEDER MEDICATIONS:**

Aminocaproic acid (Amicar)  
10 ml (2.5 gram) I.V. co-administered with furosemide only

**Amicar Note:**

Please check with NJRC Officials (State Veterinarian, Stewards, Judges, etc.) before administering Amicar to determine if its use is permissible

Substances that may be administered by injection up to **24**  
**hours before the start of the racing program:**

Antibiotics, sulfa-expectorants, tetanus antitoxin, vitamins, and other food supplements and body nutrients not containing alkalizing agents, procaine or other drugs.

Anti-ulcer medications (Orally): Omeprazole, Cimetidine, Ranitidine, and Sucralfate.

Either one (but only one) of the following anti-inflammatory drugs may be administered **until 24 hours before the scheduled post time of the race in which the horse is entered:**

The following substances must be withdrawn twenty four hours (24 hours) before the start of the race in which the horse is entered to start. These anti-inflammatory drugs must be administered intravenously only by a licensed practicing veterinarian:

Phenylbutazone  
up to 2 grams  
I.V. only

Flunixin  
0.5 mg/ 100 lbs. = (1 cc per 100 lbs.)  
Up to maximum of 500 mg (10cc)  
I.V. only

Substances that may be administered by any means until **48**  
**hours before the start of the racing program:**

- Aminophylline or theophylline
- Arsenic solutions (i.e. Fowlers solution)
- Aspirin or sodium thiosalicylate
- Chromotrypsin
- Other diuretics (e.g. thiazides)
- Selenium/vitamin E (i.e. E-Se)
- Griseofulvin ( i.e. Fulvicin)
- Glycosaminoglycans (GAGS) (i.e. Hyaluronic acid)
- Glucocortical steroids only, except in conjunction with joint aspiration (see pp. 7)
- Iodine injection (i.e. Hypodermin, Harvey's Injectable Blister)
- Methenamine (Urotropin)
- NSAIDS:
  - Flunixin (e.g. Banamine)
  - Phenylbutazone ( e.g. Butazolidin)
  - Naproxen (e.g. Naprosyn, Equiproxen)
  - Ketoprofen (e.g. Orudis)
  - Meclofenamic acid (e.g. Arquel)
- Orgotein (e.g. Palosein)
- Hydroxychloroquine sulfate (e.g. Rheaform)
- Sarapin
- Sulfonamide drugs (Sulfadruugs)
- Biologics (e.g. bacterins, antitoxins except tetanus antitoxin)

Substances that may be administered by any means up to **72 hours** before the start of the scheduled post time of the race in which the horse is to compete:

- Antihistamines
- Dantroline
- Ketamine hydrochloride
- Methocarbamol (e.g. Robaxin)
- Pentazocine ( e.g. Talwin)
- Trichloromethiazide
- Vermifuges ( worm medicines) **but not phenothiazine**

Substances that may be administered by **any means until 96 hours** before the start of the scheduled post time of the race in which the horse is to compete:

- Acepromazine
- Albuterol
- Atropine
- Butorphanol
- Clenbuterol
- Detomidine
- Glycopyrolate
- Guaifenesin
- Hydroxyzine
- Isoxsuprine
- Lidocaine
- Mepivacaine
- Pentoxifylline
- Phenytoin
- Pylramine
- Xylazine

**No other drugs or medications may be administered by any means within 7 days of the scheduled post time of the race in which the horse is to compete.**

Horses, which have had a joint aspirated and treated with glucocorticoid steroid injection, may not race for five (5) days after treatment. Whenever such a procedure is performed, the trainer shall notify the stewards of such, in writing, before the horse is entered to race.

## **ANDROGENIC –ANABOLIC STEROIDS**

Externally administered androgenic and /or anabolic steroids are prohibited to be present in horses on race day.

## **Other Prohibitions**

**No person shall, attempt to, or cause, solicit, request, or conspire with another or others to:**

- Freeze or ice or apply medicated packs to a horse's leg or legs within the paddock area.
- Administer any substance to a horse designated for testing before the horse has been released by the state veterinarian.
- Administer nasogastrically, any form of bicarbonate of soda and sugar in any of their forms (milkshaking) 48 hours pre-race.
- Administer any blood doping agent including:

**EPO, Darbepo  
Oxyglobin  
Hemoglobin products  
Products construed as Blood Substitutes**

## **Blood Gas Levels (tCO<sub>2</sub>) (Milkshake Testing)**

Trainers are held strictly liable for their horse measuring at or above the following blood gas (tCO<sub>2</sub>) threshold levels:

37 mmole/L or greater

The rule establishes penalty guidelines, provides provisions for establishing normal physiological levels, and describes the requirements for pre-race quarantine resulting from a threshold violation (13:71-23.3A or 13:70-14A.14).

## **Veterinarian (practitioner) Reports** ( 13:70-19.41 or 13:71-9.2(b))

Upon the request of the Commission, a practicing veterinarian shall furnish the original treatment record(s) and copies of all pertinent objective data and papers, along with a key to any codes, abbreviations and non-English words appearing on such record (s), data and papers, to the Racing Commission or any duly authorized investigators. A veterinarian shall respond to the Commission's request in full within twenty-four (24) hours of notification.

## **Trainer's Responsibilities** (13:70-14A.6 or 13:71-23.6)

As the absolute insurer of the horse's condition, trainers have the duty and responsibility to be familiar with the medication rules of the NJ Racing Commission. The trainer and his associates are obligated to protect and guard the horse against any administration of any drug not provided for in these rules. No trainer shall start or permit a horse in his custody, care or control to be started if he knows, or he might have known or have cause to believe, that the horse has received any drug or other restricted substance that could result in a positive test.

# State of New Jersey

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**U.S. FOOD AND DRUG ADMINISTRATION (FDA)**  
**DRUGS APPROVED FOR USE IN HORSES**

U.S. FDA: DRUGS APPROVED FOR USE IN HORSES

INJECTABLES	INJECTABLES	Suggested Withdrawal Time NJ	INJECTABLES
Active Ingredients	Brand Names		
Acepromazine Maleate	Prom Ace Injectable (Rx) Promazine Injectable (Rx)	96 hours	
Alfaprostol	Alfavet (Rx)		
Aminopromazine Fumerate	Jenatone Solution (Rx)		
Ampicillin Sodium	AmpEquine (Rx)		
Benzathine Penicillin G Procaine Penicillin G	Benzapen (R/O) Bicillin Fortified (Rx) Depo Pen (R/O) Longicil Fortified (Rx) Flo-Cillin/Dura-Biotic (R/O)		
Beta-Aminopropionitrile fumarate	Bapten (Rx)		
Betamethasone Acetate Betamethasone Disodium Phosphate	Betavet Soluspan Suspension (Rx)	48 hours	
Betamethasone Dipropionate Betamethasone Sodium Phosphate	Betasone Aqueous Suspension (Rx)	48 hours	
Boldenone Undecylenate	Equipoise (Rx)		
Butorphanol Tartrate	Torbugesic (Rx) Dolorex (Rx)	96 Hours	
Ceftiofur Sodium	Naxcel Inj. (Rx)		
Chloral Hydrate Magnesium Sulfate Pentobarbital	Chloropent (Rx)		
Deslorelin Acetate	Ovuplant (Rx)		
Detomidine Hydrochloride	Dormosedan	96 hours	
Dexamethasone	Azium Aqueous Suspension (Rx) Azium Solution (Rx) Dexachel (Rx) Dex-A-Vet (Rx) Dexamethasone Injection (Rx) Dexamethasone Solution (Rx) Zonometh Solution (Rx)		
Dexamethasone Phosphate	Dexamethasone Injection (Rx)		
Dexamethasone Sodium Phosphate	DexAvet Injection (Rx) Dexamethasone Injection (Rx)		
Dexamethasone-21-Isonicotine	Voren Suspension (Rx)		
Dihydrostreptomycin Sulfate	Dihydrostreptomycin (Rx) PfizerStrep (Rx)		
Dinoprost Tromethamine	Lutalyse Sterile Solution (Rx) Prostin F2 Alpha (Rx) Prostamate (Rx)		
Doxapram Hydrochloride	DopramV Injectable (Rx)		
Doxylamine Succinate	AH injectable (Rx)		
Einiephrine Lidocaine Hydrochloride	Lidocaine HCl with Epinephrine(Rx)		
Flumethasone	Anaprime (Rx) Flucort Solution (Rx)		
Flunixin Meglumine	Banamine Solution (Rx) Flunixin Meglumine Inj. (Rx) Flunixin Meglumine Solution (Rx) Flunixin Injection (Rx)	24 hours	Up to 500 mg (1 cc/100 lb. bwt)
FluprostenoI Sodium	Equimate (Rx)		
Follicle Stimulating Hormone	F.S.H.-P Injectable (Rx)		
Furosemide	Disal 5% Injection (Rx) Furosemide Injection (Rx) Lasix Injectable Solution Furos-A-Vet Inj. (Rx)	4 hours	"Furosemide list" Up to 500 mg (10cc) I.V. only
Guaiifenesin	Guailaxin (Rx) Gecolate Injection (Rx) Glycodex Injection (Rx)	96 hours	
Hyaluronate Sodium	Equron (Rx) Hyalovet (Rx) Hylartin V (Rx) Legend (Rx) Synacid (Rx)	48 hours	
Hyaluronic ACID	Hyvisc (Rx) Hyalovet (Rx)	48 hours	
Imidocarb Dipropionate	Imizole Equine Inj. (Rx)		

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Isoflupredone Acetate	Predef 2X (Rx)		
Ketoprofen	Ketoprofen (Rx)	48 hours	
Luprostiol Sterile Sol.	Equestrolin (Rx)		
Mepivacaine Hydrochloride	Mepivacaine HCl Inj. (Rx)	96 hours	
Methocarbamol	Robaxin Injectable (Rx)	72 hours	
Methylprednisolone Acetate	DepoMedrol (Rx) Methylprednisolone Acetate Inj. (Rx)		
Naproxen	Equiproxin 10% Solution (Rx)	48 hours	
Neostigmine Methylsulfate	Stiglyn 1500 (Rx)		
Oleate Sodium	Osteum Solution 50 mg (Rx)		
Orgotein	Palosein (Rx)	48 hours	
Oxytocin	Oxytocin Injection (Rx) Xytocin Inject. (Rx)		
Penicillin G Benzathine	Combicillin, Combicillin-AG (R/O)		
Penicillin G Procaine			
Penicillin G Procaine	Pro-Pen G in Aqueous Susp.(R/O)		
Pentazocine Lactate	TalwinV (Rx)	72 hours	
Phenylbutazone	Bizolin Injection 20% (Rx) Butazolidin Injectable (Rx) Equi Bute Injection (Rx) Equiphen (Rx) PhenButa Vet Inj. (Rx) Phenylbutazone Inj. (Rx) Robizone Injectable30% (Rx)		
		24 hours	Up to 2 grams I.V. only
Pituitary Luteinizing Hormone	P.L.H. Injectable (Rx)	96 hours	
Polysulfated Glycosaminoglycan	Adequan Injectable (Rx)	48 hours	
Pralidoxime Chloride	Protopam (Rx)		
Prednisolone	Ramosone (Rx)	48 hours	
Prednisolone Acetate	Meticortelone Susp. (Rx)		
Prednisolone Sodium Succinate	Prednisolone Inj. (Rx) SoluDelta Cortef (Rx)	48 hours	
Prednisone	Meticorten (Rx)	48 hours	
Procaine Penicillin G	Crysticillin 300 A.S. Veterinary (R/O) Crystalline Pro Penicillin G (Rx) Microcillin-Ag (OTC) Procaine Penicillin G (OTC) Penicillin G Procaine (OTC)		
Promazine Hydrochloride	Promazine Injectable (Rx) Sparine Injection (Rx) Tranquazine Injection (Rx)	96 hours	
Prostalene	Synchrocept Solution (Rx)		
Pyrilamine Maleate	HistavetP (Rx) Pyrilamine Maleate Injection (Rx)	96 hours	
Selenium Vitamin E	ESE (Rx)	24 hours	
Sodium Pentobarbital	Somnopentyl Injection (Rx)		
Sodium Thiamylal	Anestatal Inj. (Rx) Sodium Thiamylal Injection (Rx) Surital (Rx)		
Stanozolol	Wintrol-V (Rx)		
Sulfadiazine	DiTrim 48% Inj. (Rx)		
Trimethoprim	Tribrisen 58% Inj. (Rx)	48 hours	
Sulfadimethoxine	Agribon Inj. 40% (R/O)	48 hours	
Tetracycline	Tetracycline Inj. (Rx)		
Thialbarbitone Sodium	Kemithal L.A. (Rx)		
Ticarcillin Disodium	Ticillin (Rx)		
Tolazine Hydrochloride	Tolazine Injection (Rx)		
Triamcinolone Acetonide	Triamcinolone Susp. (Rx) Vetalog Inj. (Rx)		
Triflupromazine Hydrochloride	Vetame Inj. (Rx)		
Tripelannamine Hydrochloride	Re-covr Injectable (Rx)	96 hours	
Xylazine Hydrochloride	Anased (Rx) Chanazine Inj. (Rx) Rompun Injectable (Rx) Sedazine (Rx)	96 hours	

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ORAL USE		ORAL USE		ORAL USE
	Altrenogest	ReguMate (Rx)	96 hours	
	Cambendazole	Camvet Horse Wormer Paste 45% (OTC) Camvet Horse Wormer Pellets (OTC) Camvet Suspension Horse Wormer (Rx)	72 hours	
	Clenbuterol Hydrochloride	Ventipulmin Syrup (Rx)	96 hours	Low dose (0.8 mcg/kg bwt) (5cc) twice daily
	Dexamethasone	Azium Boluses (Rx) Azium Oral Solution (Rx) Azium Powder (Rx)		
	Dichlorvos	Equigard (OTC)		
	Dithiazanine Iodide Piperazine Citrate	Dizan Suspension with Piperazine (OTC)		
	Doxylamine Succinate	AH Tablets (Rx)		
	Febantel	Rintal Paste (OTC) Rintal Suspension (OTC)		
	Fenbendazole	Panacur Suspension 10% (OTC) Safe-Guard Panacur (OTC) Safe-Guard Panacur Paste (OTC)		
	Flunixin Meglumine	Banamine Granules (Rx) Banamine Paste (Rx)	48 hours	
	Griseofulvin	Fulvicin U/F Bolus Veterinary (Rx) Fulvicin U/F Powder (Rx)	48 hours	
	Iodochlorhydroxyquin	Rheaform Bolus (Rx)		
	Ivermectin	Eqvalan (Rx) Eqvalan Paste 1.8% (OTC) versol (Rx) Phoenelectin Paste (OTC) Phoenelectin Liquid (OTC) Primectin Equine Oral Liquid (Rx)		
	Levamisole Hydrochloride Piperazine Dihydrochloride	Ripercol Lpiperazine (Rx) Ripercol Lpiperazine Sol. (Rx)		
	Mebendazole	Telmin Oral Susp. (Rx)		
	Mebendazole Trichlorfon	Telmin B (Rx) TelminB Paste (OTC)		
	Meclofenamic Acid	Arquel (Rx)	48 hours	
	Moxidectin	Quest Oral Gel (OTC)		
	Naproxen	Equiproxen Granules (Rx)	48 hours	
	Omeprazole	GastroGard (Rx)	24 hours	
	Oxfendazole	Benzelmin/Syanthic Powder (R/O) Benzelmin/Syanthic Horse Wormer Pellets (R/O) Benzelmin/Syanthic Paste (R/O) Benzelmin/Syanthic Susp. (R/O)		
	Oxfendazole Trichlorfon	Benzelmin Plus Paste (OTC)		
	Oxibendazole	Anthelcide EQ Paste (OTC) Anthelcide EQ Suspension (Rx)		
	Phenothiazine PiperazineCarbon Disulfide	Parvex Plus (RX)		
	Phenothiazine Piperazine Dihydrochloride Trichlorfon	Dyrex T.F. (Rx)		
	Phenylbutazone	Bizolin Tabs/Boluses (Rx) Butatron Gel (Rx) Butazolidin Granules (Rx) Butazolidin Bolus (Rx) Butazolidin Paste (Rx) Equi Bute Tables (Rx) Equiphen Paste (Rx) Equipalazone (Rx) PhenButaVet Tablets (Rx) RobizoneV (Rx) Tevcodyne (Rx) Therazone Tablets (Rx)	48 hours	
	Piperazine Adipate	Piperazine Adipate 100% (OTC)		
	Piperazine Carbon Disulfide	Parvex Bolus (OTC) Parvex Suspension (Rx)		
	Ponazuril	Marquis (Rx)		
	Promazine Hydrochloride	Promazine Granules (Rx)		
	Pyrantel Pamoate	Banminth-P Paste (OTC) Stongid T (R/O)		

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	Pyrantel Tartrate	Banminth (5.66 gm) (OTC) Continuex (OTC) Pyrantel Tartrate Premix (OTC) Purina Horse & Colt Wormer Med (OTC) Strongid C (OTC)		
	Sulfamethazine	Sulmet (OTC)	48 hours	
	Thiabendazole	Equizole A Packets (Rx) Equizole Horse Wormer (Rx) Equizole 50% Horse Wormer Paste (OTC) Purina Horse Wormer Medicated (OTC) Thibenzole 300 Medicated (OTC)	72 hours	
	Thiabendazole Phosphate	Piperazine Equizole A (Rx)		
	Thiabendazole Piperazine Citrate	Equizole A Liquid (Rx)		
	Thiabendazole Trichlorfon	Equizole B (Rx)		
	Tioxidazole	Tiox Granules (OTC) Tiox Paste (OTC)		
	Triamcinolone Acetonide	Vetalog Oral Powder (Rx)		
	Trichlorfon	Dyrex Cap Tab 200 (Rx) Purina Bot Control (OTC)		
	Trimethoprim Sulfadiazine	DI Trim 400 Paste (Rx) Tribrissen 400 Oral Paste (Rx) Uniprim Powder (Rx)	48 hours	
	Balsam Peru Oil Trypsin	Trypzyme Aerosol (OTC)		
	Chlorhexidine Diacetate	Nolvasan Germicidal Ointment (OTC)		
	Balsam Peru Oil Trypsin	Trypzyme Aerosol (OTC)		
	Chlorhexidine Diacetate	Nolvasan Germicidal Ointment (OTC)		
	Copper Naphthenate	Kopertox (OTC) ThrushXX (OTC)		
	Cuprimyxin	Unitop Topical 0.5% Cream (Rx)		
	Dimethyl Sulfoxide	Domoso Gel (Rx) Domosol Sol. (Rx)	24 hours	Topical applications only
	Furazolidone	Furall Aerosol Powder (OTC) Topazone Aerosol Powder (OTC)		
	Isoflupredone Neomycin Sulfate	Neo Predef EyeEar Topical Ointment (Rx)	48 hours	
	Isoflupredone Acetate Tetracaine Hydrochloride Neomycin Sulfate	Tritop Ointment (Rx)	96 hours	
	Nitrofurazone	Fura Ointment (OTC) FuraSeptin (OTC) Nitrofurazone Powder (OTC) Nitrofurazone Ointment (OTC) Nitrofurazone Dressing (OTC) NFZ Dressing (OTC) NFZ Wound Powder (OTC)		
	Nitrofurantoin	Dantafur (Rx)		
	Oxytetracycline Hydrochloride Polymyxin B Sulfate	Terramycin Ophthalmic Ointment (OTC)		
<b>INHALATION USE</b>		<b>INHALATION USE</b>		<b>INHALATION USE</b>
	Albuterol Sulfate	Torpex (Rx)	96 hours	
	Halothane	Fluothane (Rx)		
	Isoflurane	Aerrane (Rx) Isoflurane, USP (Rx) Isoflo (Rx)		
<b>INTRAUTERINE USE</b>		<b>INTRAUTERINE USE</b>		<b>INTRAUTERINE USE</b>
	Amikacin Sulfate	Amiglyde V (Rx) Amikacin Intrauterine (Rx)	24 hours	
	Chlorhexidine Dihydrochloride	Nolvasan Tabs/Suspension (OTC)		
	Gentamicin Sulfate	Gentocin Solution (Rx) Gentamicin Intrauterine (Rx) Gentamicin Sulfate Solution (Rx) Gentamex 100 Intrauterine (RX) Gentaglyde Sol. (RX)	24 hours	
	Sulfamethazine	Sulmet Oblets (OTS)	48 hours	