



TEXAS RACING COMMISSION
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Attention: Commission Veterinarians, Practicing Veterinarians, and Horsemen

Re: Permissible Levels of Therapeutic Medications and Naturally Occurring Substances

In accordance with Commission Rules §§ 319.1(b) and 319.3(b)-(c), the following substances are permissible if found at or below the following specified concentration levels in post-race samples taken from a horse.

<u>GENERAL MEDICATIONS.....</u>	<u>MAXIMUM PERMISSIBLE CONCENTRATION</u>
Acepromazine	HEPS 10 ng/ml of urine
Albuterol	1 ng/ml of urine
Betamethasone	10 pg/ml of plasma or serum
Butorphanol	300 ng/ml of total butorphanol in urine; or 2 ng of free butorphanol per ml of plasma or serum
Cetirizine.....	6 ng/ml of plasma or serum
Cimetidine.....	400 ng/ml of plasma or serum
Clenbuterol/Ventipulmin	140 pg/ml of urine; or level of detection in plasma or serum
Dantrolene	100 pg/ml of 5-hydroxydantrolene in plasma or serum
Detomidine	2 ng/ml of carboxydetomidine in urine; or 1 ng/ml of detomidine in plasma or serum
Dexamethasone	5 pg/ml of plasma or serum
Diclofenac.....	5 ng/ml of plasma or serum
Dimethyl sulfoxide/DMSO	10 mcg/ml of plasma or serum
Firocoxib	20 ng/ml of plasma or serum
Furosemide.....	100 ng/ml of plasma or serum and urine specific gravity < 1.010
Glycopyrrolate	3 pg/ml of plasma or serum
Guaifenesin	12 ng/ml of plasma or serum
Isoflupredone.....	100 pg/ml of plasma or serum
Lidocaine	20 pg/ml of 3-OH-lidocaine in plasma or serum
Mepivacaine	10 ng/ml total 3-OH-mepivacaine in urine; or level of detection in plasma or serum
Methocarbamol.....	1 ng/ml of plasma or serum
Methylprednisolone	100 pg/ml of plasma or serum
Omeprazole.....	omeprazole sulfide - 10 ng/ml of plasma or serum
Prednisolone.....	1 ng/ml of plasma or serum

Procaine penicillin*25 ng/ml of plasma or serum
 Ranitidine..... 40 ng/ml of plasma or serum
 Triamcinolone acetonide 100 pg/ml of plasma or serum
 Xylazine200 pg/ml of plasma or serum

- * Treatment with procaine penicillin also requires: (1) Notification of procaine penicillin administration to the racing secretary at time of entry
 AND
 (2) Mandatory surveillance at the horse owner's expense for six hours before racing. Coordinate with association security for provision of surveillance.

NON-STEROIDAL ANTI-INFLAMMATORY DRUGS (NSAIDs)

Samples collected may contain one of the following NSAIDs at a concentration up to but not exceeding the Primary Threshold. Samples may also contain another of the following NSAIDs at a concentration up to but not exceeding the Secondary Threshold. No more than two of these NSAIDs may be present in any given sample.

Ketoprofen Primary threshold: 2 ng/ml of plasma or serum
 Secondary threshold: 1 ng/ml of plasma or serum
 Flunixin Primary threshold: 20 ng/ml of plasma or serum
 Secondary threshold: 3 ng/ml of plasma or serum
 Phenylbutazone..... Primary threshold: 2 mcg/ml of plasma or serum
 Secondary threshold: 0.3 mcg/ml of plasma or serum

ANDROGENIC-ANABOLIC STEROIDS MAXIMUM PERMISSIBLE CONCENTRATION

Boldenone 25 pg/ml of plasma or serum, regardless of sex
 1 ng/ml of urine for fillies, mares, and geldings
 15 ng/ml of urine in male horses other than geldings
 Nandrolone 25 pg/ml of plasma or urine for fillies, mares, and geldings;
 1 ng/ml of urine for fillies, mares and geldings
 45 ng/ml (as 5α-estrane-3β, 17α-diol) of urine in male horses
 other than geldings
 Testosterone..... 25 pg/ml of plasma or serum for fillies, mares, and geldings
 55 ng/ml of urine in fillies and mares (unless in foal)
 20 ng/ml or urine in geldings

TOTAL CARBON DIOXIDE

Total Carbon Dioxide

MAXIMUM PERMISSIBLE CONCENTRATION

Must remain below 37 mmol/L of serum

Respectfully,

Robert James, DVM
 Veterinary Medical Director

APPROVED:

Chuck Trout, Executive Director