



Arizona Department of Gaming
 TRIBAL GAMING • RACING • BOXING & MIXED MARTIAL ARTS

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**ARIZONA DEPARTMENT OF GAMING
 DIVISION OF RACING
 EQUINE LABORATORY THRESHOLDS FOR 2016-17**

Highlighted rows indicate changes from 2015-16

| PARENT DRUG | THRESHOLD | FLUID | NOTES |
|----------------|--------------------|--------------|---------------------------|
| Acepromazine | 10 ng/ml | Urine | |
| Albuterol | 1 ng/ml | Urine | |
| Atropine | Level of detection | | |
| Betamethasone | 10 pg/ml | Serum/Plasma | |
| Boldenone | 100pg/ml | Serum/Plasma | |
| | 15 ng/ml | Urine | Males other than geldings |
| Butorphanol | 2 ng/ml | Serum/Plasma | |
| | 300 ng/ml | Urine | RMTC 03/16 |
| Cetirizine | 6 ng/ml | Serum/Plasma | RMTC 03/16 |
| Cimetidine | 400 ng/ml | Serum/Plasma | RMTC 03/16 |
| Clenbuterol | Level of detection | Serum/Plasma | RMTC 03/16 |
| | 140 pg/ml | Urine | RMTC 03/16 |
| Dantrolene | 100 pg/ml | Serum/Plasma | |
| Detomidine | 1ng/ml | Serum/Plasma | RMTC 09/16 |
| | 2 ng/ml | Urine | RMTC 03/16 |
| Dexamethasone | 5 pg/ml | Serum/Plasma | |
| Diclofenac | 5 ng/ml | Serum/Plasma | |
| DMSO | 10 mcg/ml | Serum/Plasma | |
| Firocoxib | 20 ng/ml | Serum/Plasma | |
| Flunixin | 50ng/ml | Serum/Plasma | |
| Furosemide | 100 ng/ml | Serum/Plasma | |
| Glycopyrrolate | 3 pg/ml | Serum/Plasma | RMTC 03/16 |
| Guaifenesin | 12 ng/ml | Serum/Plasma | RMTC 03/16 |
| Isoflupredone | 100 pg/ml | Serum/Plasma | |
| Isosuprine | Level of detection | Serum/Plasma | |
| Ketoprofen | 10ng/ml | Serum/Plasma | |

| | | | |
|--------------------|--------------------|--------------|--------------------------|
| Lidocaine | 20 pg/ml | Serum/Plasma | |
| Meclofenamic Acid | Level of detection | Serum/Plasma | |
| Mepivacaine | Level of detection | Serum/Plasma | RMTC 03/16 |
| | 10 ng/ml | Urine | RMTC 03/16 |
| Methocarbamol | 1 ng/ml | Serum/Plasma | |
| Methylprednisolone | 100 pg/ml | Serum/Plasma | |
| Nandrolone | 100pg/ml | Serum/Plasma | Fillies, mares, geldings |
| | 500pg/ml | Serum/Plasma | Intact males |
| | 1ng/ml | Urine | |
| Naproxen | Level of detection | | |
| Omeprazole | 10 ng/ml | Serum/Plasma | RMTC 03/16 |
| Phenylbutazone | 5 mcg/ml | Serum/Plasma | |
| Prednisolone | 1 ng/ml | Serum/Plasma | RMTC 03/16 |
| Procaine | 25 ng/ml | Urine | |
| Pyrimidine | Level of detection | | |
| Stanozolol | 100 pg/ml | Serum/Plasma | |
| | 1 ng/ml | Urine | |
| Ranitidine | 40 ng/ml | Serum/Plasma | RMTC 03/16 |
| Testosterone | 100 pg/ml | Serum/Plasma | Fillies, mares, geldings |
| | 2,000 pg/ml | Serum/Plasma | Intact males |
| | 20 ng/ml | Urine | Geldings |
| | 55 ng/ml | Urine | Fillies and mares |
| Total CO2 | 37 mmol/L | Serum/Plasma | |
| Triamcinolone | 100 pg/ml | Serum/Plasma | |
| Xylazine | 200 pg/ml | Serum/Plasma | RMTC 03/16 |

ENDOGENOUS, DIETARY OR ENVIRONMENTAL SUBSTANCES

| SUBSTANCE | THRESHOLD | FLUID | NOTES |
|-----------------|--------------|--------------|----------------------|
| Arsenic | 0.3 mcg/ml | Urine | Feed contaminant |
| Caffeine | 100 ng/ml | Serum/Plasma | Feed contaminant |
| Cobalt | 25 ppb | Serum/Plasma | Endogenous substance |
| Estradiol | 0.045 mcg/ml | Urine | Intact male horses |
| GABA | 110 PPB | Serum/Plasma | Endogenous substance |
| Hydrocortisone | 1 mcg/ml | Urine | Endogenous substance |
| Methoxytyramine | 4 mcg/ml | Urine | Endogenous substance |
| Salicylates | 750 mcg/ml | Urine | Feed contaminant |
| | 6.5 mcg/ml | Serum/Plasma | Feed contaminant |
| Theobromine | 0.3 mcg/ml | Serum/Plasma | Feed contaminant |
| | 2 mcg/ml | Urine | Feed contaminant |

Notes for 2016-17 Turf Paradise Meet:

1. Be advised that in the event urine is not obtained from a horse, those drugs with urine-only thresholds will have an effective threshold of the limit of detection for the respective drug in blood utilizing mass spectral methods.
2. Horses that test above the 25 ppb threshold for cobalt but below 50 ppb will be placed on the Veterinarian's List and will be ineligible to be entered until the horse test below 25 ppb. Horses testing above 50 ppb will result in a Class B penalty.
3. Please note that some of the listed thresholds apply to the metabolite of the drug. All drugs are listed by the parent drug, however, for the sake of clarity.
4. Note above: RMTTC 03/16 refers to ARCI Controlled Therapeutic Medication Schedule for Horses – Version 3.0 Revised – March 25, 2016
5. Note above: RMTTC 09/16 refers to ARCI Controlled Therapeutic Medication Schedule for Horses- Version 3.1 Revised – Sept 10, 2016