



STATE OF WASHINGTON
WASHINGTON HORSE RACING COMMISSION
EQUINE LABORATORY THRESHOLDS FOR 2018

Highlighted rows indicate changes from 2017

| PARENT DRUG | THRESHOLD | SUBSTRATE | NOTES |
|--------------------|------------|-------------------------|-----------------------------------|
| Acepromazine | 10 ng/ml | Urine | |
| Albuterol | 1 ng/ml | Urine | |
| Betamethasone | 10 pg/ml | Serum/Plasma | |
| Boldenone | 1 ng/ml | Urine | geldings, fillies, mares |
| | 15 ng/ml | Urine | Intact males |
| Bupivacaine | 5 ng/ml | Urine | |
| Butorphanol | 2 ng/ml | Serum/Plasma | |
| | 300 ng/ml | Urine | |
| Cetirizine | 6 ng/ml | Serum/Plasma | |
| Cimetidine | 400 ng/ml | Serum/Plasma | |
| Clenbuterol | 2 pg/ml | Serum/Plasma | Thoroughbred |
| “ | 140 pg/ml | Urine | Thoroughbred |
| “ | Prohibited | Serum/Plasma/Urine/Hair | Quarterhorse and mixed breed race |
| Dantrolene | 100 pg/ml | Serum/Plasma | |
| Detomidine | 1ng/ml | Serum/Plasma | |
| Carboxydetomidine | 1 ng/ml | Urine | |
| 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 | 20ng/ml | Serum/Plasma | |
| “ | 3 ng/ml | Serum/Plasma | “Stacking” |
| Furosemide | 100 ng/ml | Serum/Plasma | (specific gravity <1.010) |
| Glycopyrrolate | 3 pg/ml | Serum/Plasma | |
| Guaifenesin | 12 ng/ml | Serum/Plasma | |
| Isoflupredone | 100 pg/ml | Serum/Plasma | |
| Ketoprofen | 2 ng/ml | Serum/Plasma | |
| “ | 1 ng/ml | Serum/Plasma | “Stacking” |
| Lidocaine | 20 pg/ml | Serum/Plasma | |
| Mepivacaine | 10 ng/ml | Urine | |
| Methocarbamol | 1 ng/ml | Serum/Plasma | |
| Methylprednisolone | 100 pg/ml | Serum/Plasma | |
| Nandrolone | 1ng/ml | Urine | Gelding, fillies, mares |
| “ | 45 ng/ml | Urine | Intact males |



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|---------------------|------------|--------------|--|
| Omeprazole | 10 ng/ml | Serum/Plasma | |
| Phenylbutazone | 2 mcg/ml | Serum/Plasma | |
| “ | 0.3 mcg/ml | Serum/Plasma | “Stacking” |
| Prednisolone | 1 ng/ml | Serum/Plasma | |
| Procaine penicillin | 25 ng/ml | Serum/Plasma | Reporting requirement for horses entered |
| Promazine | 25 ng/ml | Urine | |
| Pyrilamine | 25 ng/ml | Urine | |
| Ranitidine | 40 ng/ml | Serum/Plasma | |
| Testosterone | 55 ng/ml | Urine | Fillies and mares |
| | 20 ng/ml | Urine | Geldings |
| | | | Intact males not tested |
| Total CO2 | 37 mmol/L | Serum/Plasma | |
| Triamcinolone | 100 pg/ml | Serum/Plasma | |
| Xylazine | 200 pg/ml | Serum/Plasma | |

ENDOGENOUS, DIETARY OR ENVIRONMENTAL SUBSTANCES

| SUBSTANCE | THRESHOLD | FLUID | NOTES |
|-----------------------|--------------|--------------|----------------------|
| Arsenic | 0.3 mcg/ml | Urine | Feed contaminant |
| Benzoylcegonine | 50 ng/ml | Urine | Environmental |
| Caffeine | 100 ng/ml | Serum/Plasma | Feed contaminant |
| Cobalt | 50 ppb | Serum/Plasma | Endogenous substance |
| Estranediol | 0.045 mcg/ml | Urine | Intact male horses |
| GABA | 110 ng/ml | Serum/Plasma | Endogenous substance |
| Hydrocortisone | 1 mcg/ml | Urine | Endogenous substance |
| Methamphetamine | 10 ng/ml | Serum/Plasma | Environmental |
| Methoxytyramine | 4 mcg/ml | Urine | Endogenous substance |
| Morphine Glucuronides | 50 ng/ml | Urine | Environmental |
| Salicylates | 750 mcg/ml | Serum/Plasma | Feed contaminant |
| Theobromine | 2 mcg/ml | Urine | Feed contaminant |
| Tramadol | 50 ng/ml | Urine | Environmental |

Notes for 2018:

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 parent drug for the sake of clarity