



STATE OF WASHINGTON
WASHINGTON HORSE RACING COMMISSION
EQUINE LABORATORY THRESHOLDS FOR 2020

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
“	25 pg/ml	Serum/Plasma	All horses regardless of gender
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	
Guaiifenesin	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	25 pg/ml	Serum/Plasma	Fillies, mares, geldings
“	1 ng/ml	Urine	Fillies, mares, geldings
“	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	100 pg/ml	Serum/Plasma	Fillies, mares, geldings <u>(Intact males not tested)</u>
	55 ng/ml	Urine	Fillies and mares <u>(Intact males not tested)</u>
“	20 ng/ml	Urine	Geldings <u>(Intact males not tested)</u>
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	Urine	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 2020:

1. [Click here](#) to see WHRC Withdrawal Recommendations for additional information.
2. 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.



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3. 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.

4. 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.