

Ohio State Racing Commission Regulatory Thresholds

Therapeutic Substances

Substance	Threshold	Matrix
Acepromazine	HEPS 10 ng/ml	urine
Albuterol	1 ng/ml	urine
Betamethasone	10 pg/ml	plasma or serum
Butorphanol	10 ng/ml	urine
Cetirizine	6 ng/ml	plasma or serum
Cimetidine	400 ng/ml	plasma or serum
Clenbuterol	25 pg/ml	plasma or serum
Dantrolene	5-OH dantrolene 0.1 ng/ml	plasma or serum
Detomidine	1 ng/ml	plasma or serum
Dexamethasone	5 pg/ml	plasma or serum
Diclofenac	5 ng/ml	plasma or serum
Dimethyl sulfoxide (DMSO)	10 µg/ml	plasma or serum
Firocoxib	20 ng/ml	plasma or serum
Flunixin	20 ng/ml	plasma or serum
Furosemide	100 ng/ml	plasma or serum
Glycopyrrolate	3 pg/ml	plasma or serum
Guaifenesin	12 ng/ml	plasma or serum
Isoflupredone	100 pg/ml	plasma or serum
Ketoprofen	2 ng/ml	plasma or serum
Lidocaine	20 pg/ml of total 3-OH Lidocaine	plasma or serum
Mepivacaine	10 ng/ml of 3-OH Mepivacaine Limit of Detection	urine plasma or serum
Methocarbamol	1 µg/ml	urine
Methylprednisolone	100 pg/ml	plasma or serum
Omeprazole	10 ng/ml omeprazole sulfide	plasma or serum
Phenylbutazone	2 µg/ml	plasma or serum
Prednisolone	1 ng/ml	plasma or serum
Procaine Penicillin	25 ng/ml procaine	plasma or serum
Ranitidine	40 ng/ml	plasma or serum
Triamcinolone Acetonide	100 pg/ml	plasma or serum
Xylazine	200 pg/ml	plasma or serum

Endogenous, Dietary or Environmental Substances

Substance	Threshold	Matrix
Benzoylecgonine	150 ng/ml	urine
Caffeine	100 ng/ml	Plasma or serum
Carbon Dioxide (TCO ₂)	37 mmol/liter	plasma or serum
Cobalt	25 ppb	plasma or serum
Gamma Aminobutyric Acid (GABA)	110 ng/ml	plasma or serum
Hydrocortisone	1.0 µg/ml	urine
Methoxytyramine (3-MT)	4 µg/ml, free + conjugated	urine
Morphine	30 ng/ml total morphine	urine
Salicylic Acid	6.5 µg/ml	plasma or serum
Theobromine	0.3 µg/ml	plasma or serum

Androgenic-Anabolic Steroids

Substance	Threshold	Matrix
Boldenone	25 pg/ml free boldenone; in all horses regardless of sex	plasma or serum
Nandrolone	25 pg/ml free nandrolone in fillies, mares and geldings.	plasma or serum
Estranediol	45 ng/ml free and conjugated 5a-Estrane-3B, 17a-diol in male horses other than geldings	urine
Testosterone	100 pg/ml free testosterone in geldings, fillies and mares unless in foal	plasma or serum

Effective September 1, 2022