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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	25 pg/ml	Serum/Plasma	**All horses** RULES (03/16)
	1 ng/ml	Urine	**Fillies, mares, & gelding** RULES 03/16
	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	20 ng/ml	Serum/Plasma	RMTC 03/16
	3ng/ml	Serum/Plasma	***Secondary anti-stacking threshold***
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	

Isoxsuprine	**Level of detection**	Serum/Plasma	
Ketoprofen	2 ng/ml	Serum/Plasma	RMTC 03/16
	1ng/ml	Serum/Plasma	***Secondary anti-stacking threshold***
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	25 pg/ml	Serum/Plasma	Fillies, mares, geldings RULES 03/16
	1 ng/ml	Urine	Fillies, mares, geldings RULES 03/16
	45 ng/ml	Urine	**Males other than geldings** RULES 03/16
Naproxen	**Level of detection**		
Omeprazole	10ng/ml	Serum/Plasma	RMTC 03/16
Phenylbutazone	2 mcg/ml	Serum/Plasma	RMTC 03/16
	0.3mcg	Serum/Plasma	***Secondary anti-stacking threshold***
Prednisolone	1 ng/ml	Serum/Plasma	RMTC 03/16
Procaine	25 ng/ml	Urine	
Pyrilamine	**Level of detection**		
Ranitidine	40 ng/ml	Serum/Plasma	RMTC 03/16
Testosterone	25 pg/ml	Serum/Plasma	Fillies, mares, geldings RULES 03/16
	55 ng/ml	Urine	Fillies and mares
	20 ng/ml	Urine	Geldings
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
Estranediol	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. NSAID secondary anti-stacking thresholds. Samples collected may contain one of the NSAID's Flunixin, Ketoprofen, Phenylbutazone, at a concentration up to the Primary Threshold. Samples may also contain another of these NSAID's up to the Secondary Threshold. No more than 2 of these NSAID's may be present in any sample.

5. Note above: RMTC 03/16 refers to ARCI Controlled Therapeutic Medication Schedule for Horses – Version 3.0 Revised – March 25, 2016

6. Note above: RMTC 09/16 refers to ARCI Controlled Therapeutic Medication Schedule for Horses- Version 3.1 Revised – Sept 10, 2016

7. Note above: RULES 03/16 refers to ARCI Model Rules of Racing Version 6.2 Mar 24, 2016