

### PETRL Recommended Internal Thresholds

Effective Date: Jan. 14, 2016

A substance is not reported as a laboratory finding if the concentration is determined to be below the assigned threshold for the appropriate matrix.

<u>Notes</u>	<u>Drug</u>	<u>Internal Threshold</u>	<u>Supporting Information</u>
No change	[REDACTED]	[REDACTED]	[REDACTED]
No change	[REDACTED]	[REDACTED]	[REDACTED]
New for Harness	Omeprazole	Omeprazole Sulfide - 1 ng/mL in urine	RMTC recommendation
New for Harness (previous 5 mcg/mL)	Phenylbutazone	2 mcg/mL plasma or serum	RMTC recommendation
New for Harness	Prednisolone	1 ng/mL of plasma or serum	RMTC recommendation
New for Horse and Harness	[REDACTED]	[REDACTED]	[REDACTED]
No change	Procaine Penicillin	(Procaine) 25 ng/mL of plasma	PA Horse and Harness Commission Policy; RMTC Recommendation
New for Horse and Harness (recent RMTC addition)	Ranitidine	40 ng/mL of plasma or serum 750 ug/mL in urine or 6.5 ug/mL in serum or	RMTC recommendation
New for Horse and Harness	Salicylate and Salicylic Acid	plasma	ARCI Document - Endogenous Substances
No change	[REDACTED]	[REDACTED]	[REDACTED]
No change	[REDACTED]	[REDACTED]	[REDACTED]
New for Horse and Harness	Theobromine	2 ug/mL in urine or 0.3 ug/mL in serum or plasma	ARCI Document - Endogenous Substances
No change	[REDACTED]	[REDACTED]	[REDACTED]
New for Harness	Xylazine	0.01 ng/mL of plasma	RMTC recommendation

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New for Harness	Detomidine	1 ng/mL of Carboxydetomidine in URINE; LOD for detomidine in PLASMA	RMTC recommendation
New for Harness (previous 100 pg/mL)	Dexamethasone	5 pg/mL plasma or serum	RMTC recommendation
New for Harness	Diclofenac	5 ng/mL plasma or serum	RMTC recommendation
New for Horse and Harness	Estradiol	geldings	ARCI Document - Endogenous Substances
New for Harness	Firocoxib	20 ng/mL plasma or serum	RMTC recommendation
No change			
New for Harness	Furosemide	100 ng/mL blood and urine specific gravity < 1.01	RMTC recommendation
New for Horse and Harness	Gamma Aminobutyric Acid (GABA)	110 ng/mL in plasma or serum	ARCI Document - Endogenous Substances; Dr. Heather Knych published research; RMTC recommendation to ARCI
New for Harness	Glycopyrrolate	3 pg/mL plasma or serum	RMTC recommendation
New for Horse and Harness (recent RMTC addition)	Guafenisin	12 ng/mL plasma or serum	RMTC recommendation
New for Horse and Harness	Hydrocortisone	1 ug/mL in urine	ARCI Document - Endogenous Substances
No change			
New for Harness	Ketoprofen	2 ng/mL plasma or serum	RMTC recommendation
New for Harness	Lidocaine	20 pg/mL of total 3OH-Lidocaine in PLASMA	RMTC recommendation
New for Harness	Mepivacaine	3OH-mepivacaine - 10 ng/mL in URINE or Mepivacaine at LOD in PLASMA	RMTC recommendation
No change			
New for Horse and Harness	Methoxytyramine	4ug/mL, free and conjugated in urine	ARCI Document - Endogenous Substances

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*(Handwritten notes)*  
 (Mae)  
 2/25/16  
 10/16

<u>Notes</u>	<u>Drug</u>	<u>Internal Threshold</u>	<u>Supporting Information</u>
New for Harness	Acepromazine	HEPS (2,1 Hydroxy Ethyl Promazine Sulfoxide) - 10 ng/mL of URINE. QUANTIFY and Report concentration for URINE; if no urine, then evaluate plasma for HEPS and Acepromazine	RMTC recommendation
New for Harness	Albuterol	1 ng/mL of URINE; if no urine, then evaluate plasma	RMTC recommendation
New for Horse and Harness	Arsenic	0.3 ug/mL total arsenic in urine	ARCI Document - Endogenous Substances
Environmental Contaminant	Atropine	to be determined	
New for Harness (this threshold enforces a 7 day WDT)	Betamethasone	10 pg/mL plasma or serum	RMTC recommendation
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
New for Harness	Butorphanol	Free Butorphanol - 2 ng/mL of plasma, or Total Butorphanol - 300 ng/mL of URINE	RMTC recommendation
New for Horse and Harness	Caffeine	100 ng/mL in serum or plasma	ARCI Document - Endogenous Substances
New for Horse and Harness (recent RMTC addition)	Cetirizine	6 ng/mL plasma or serum	RMTC recommendation
New for Horse and Harness (recent RMTC addition)	Cimetidine	400 ng/mL plasma or serum	RMTC recommendation
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
New for Harness	Dantrolene	5-OH Dantrolene - 0.1 ng/mL of plasma or serum	RMTC recommendation