



2013 REPORT ON PROHIBITED SUBSTANCES

Compiled by the Racing Medication and Testing Consortium,
Supervised by the Advisory Council on Equine Prohibited Substances and Practices of the IFHA



Racing Medication and Testing Consortium
821 Corporate Drive, Lexington, KY 40503, USA
Phone +1(859) 224-2844
Fax +1(859) 296-3033
rmtcnet.com

I. RACING DAY SAMPLES

PROHIBITED SUBSTANCES DETECTED	REACTION ENGENDERED	COUNTRIES OF DETECTION	TOTAL
2,5-Dihydroxybenzenesulfonate (component of etamsylate)	Hemostatic		
3-Hydroxylidocaine (metabolite of lidocaine)	Local Anesthetic	MEX (1)	1
3-hydroxy-N-methylmorphinan	Opioid	MAL (1)	1
3-OH-Lidocaine (Lidocaine metabolite)	Local Anesthetic	BRZ (1)	1
3-methoxytyramine			
4-(Dimethylamino)-antipyrine	Analgesic		
4-Aminoantipyrine	Analgesic		
4-Methyl-Aminoantipyrine	Analgesic	MEX (1)	1
4-Methylamino Phenazone			
5-Alpha-estrane 3-beta 17-Alpha-diol and nandrolone			
6 alpha-methylprednisolone			
9-carboxy-11-nor-delta-9-TCH	Active principle of marijuana		
16 beta-idrossistanozolol	Anabolic		
20-Beta-dihydro-prednisolone	Glucocorticoid, Anti-Inflammatory	QAT (1)	1
Aicar	Blood Doping	NET (1)	1
Acenocoumarol	Anti-Coagulant, Vitamin K Antagonist		
Acepromazine	Tranquilizer	ARG (7), USA (2)	9
Acepromazine, flunixin	Tranquilizer, Anti-Inflammatory, Analgesic		
Acetaminophen	Analgesic	IND (6), KSA (1)	7
Acetophenazine	Antipsychotic		
Albuterol	Bronchodilator		
Alfentanil	Opioid, Analgesic	USA (1)	1
Alprazolam	Anxiolytic, Sedative, Muscle Relaxant (skeletal)	ARG (1)	1
Altrenogest	Progestogen	HUN (1)	1
Ambroxol	mucolytic agent		
Aminocaproic Acid	Hemostatic	ARG (1)	1
Aminorex	Stimulant	FRA (1)	1
Amitriptylline	Tricyclic Anti-Depressant		
Amphetamine	Stimulant	AUS (1)	1
Antipyrine	Antipyretic, Analgesic		
Arsenic	Toxic element	TUN (2)	2
Atenolol	Beta-1 Receptor Antagonist	ARG (3), IND (5), MAC (1)	9
Atenolol and Diclofenac	Beta-1 Receptor Antagonist, anti-inflammatory		
Atropine	Anticholinergic	ARG (2), SIN (1), TUR (1)	4
Barbital	Hypnotic		
BEG			
Benzocaine	Topical Anesthetic		
Benzoylcegonine	CNS Stimulant		
Benzoylcegonine ecgonine methyl ester	CNS Stimulant		
Betamethasone	Glucocorticoid, Anti-Inflammatory	FRA (1), SPA (1), TUR (1)	3
Betamethasone, dexamethasone	Glucocorticoid, Anti-Inflammatory		
Boldenone	Anabolic	BRZ (1), NZ (1)	2
Boldenone Sulphate (metabolite of boldenone)	Anabolic	CYP (1)	1
Boldenone, Flunixin	Anabolic, Anti-Inflammatory, Analgesic	BRZ (1)	1
Bromazepam	Minor Tranquilizer	ARG (2)	2
Bromhexine	Expectorant, Mucolytic		

I. RACING DAY SAMPLES

PROHIBITED SUBSTANCES DETECTED	REACTION ENGENDERED	COUNTRIES OF DETECTION	TOTAL
Bupivacaine	Local Anesthetic		
Buspirone	Anxiolytic		
Butazolidine, furosemide	NSAID, Diuretic	MEX (11)	11
Butorphanol	Analgesic, Antitussive	ARG (1), BRZ (1), UK (1), USA (1)	4
Butylscopolamine	Antispasmodic, Muscarinic Antagonist	AUS (1)	1
Butylscopolammonium	Anti-Spasmodic		
Butylscopolammonium bromide	Anti-Spasmodic		
BZEG (metabolite of cocaine)	Local Anesthetic		
Caffeine	Cardiac & Respiratory Stimulant	ARG (18), AUS (3), CHI (1), GRE (1), IND (2), JPN [NAR] (1), MAL (2), MEX (1), MOR (1), PAN (4), KSA (1), TUR (5), UAE (1), USA (4) URU (4)	49
Caffeine, Mephentermine			
Caffeine nikethamide	Cardiac & Respiratory Stimulant		
Caffeine metabolites	Cardiac & Respiratory Stimulant	BRZ (1)	1
Caffeine, Clenbuterol, Firocoxib			
Caffeine, cyproheptadine, paraxanthine, theophylline	Cardiac & Respiratory Stimulant; Antihistaminic, Antipruritic, Sedative; Vasodilator, Diuretic		
Caffeine, Dexametasonone, 4-Aminoantipyrine, 4-Methyl-Aminoantipyrine	Cardiac & Respiratory Stimulant, Glucocorticoid, Anti-Inflammatory, Analgesic	MEX (1)	1
Caffeine, theobromine, theophylline	Cardiac & Respiratory Stimulant, Myocardial Stimulant, Vasodilator, Diuretic		
Caffeine, theophylline	Cardiac & Respiratory Stimulant, Vasodilator, Diuretic	BRZ (1), TUR (3)	4
Capsaicin	Topical Analgesic	AUS (1), FRA (2), HUN (1), NET (1), QAT (2), TUN (1)	8
Capsaicin, dihydrocapsaicin	Topical Analgesic		
Carbazochrome	Antihemorrhagic	MEX (4), TUR (2)	6
Carisoprodol	Muscle Relaxant	USA (1)	1
Cetirizine	Anti-Histamine		
Chlorpropamide	Antidiabetic		
Chlorpheniramine	Antiallergic Agent, Antihistaminic	MEX (1)	1
Chlorpromazine	Antipsychotic	ARG (1)	1
Chlorothiazide			
Cimetidine	Anti-Ulcerative	FRA (1)	1
Clanobutin	Apetite Stimulant		
Clenbuterol	Bronchodilator	ARG (23), AUS (2), BRZ (9), MEX (8), KSA (3), UK (1), USA (3)	49
Clenbuterol, dembrexine	Bronchodilator, Expectorant, Mucolytic		
Clenbuterol, Firocoxib, Ketoprofen			
Clenbuterol, formoterol, heptaminol, furosemide, phenylbutazone, mono-hydroxylated, stanozolol metabolite	Bronchodilator; Cardiotonic; Diuretic; Analgesic, Anti-Inflammatory; Anabolic Steroid		
Clenbuterol, Ractopamine	Bronchodilator, Beta-2 Adrenoceptor Agonist, Growth Stimulant	MEX (1)	1
Clonixin	Analgesic, Antipyretic, NSAID	ARG (2)	2
Cocaine	CNS Stimulant, Topical Anesthetic	ARG (3), CHI (2)	5
Codeine	Opioid Analgesic, Antitussive, Antidiarrheal		
Cortivazol	Glucocorticoid		

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PROHIBITED SUBSTANCES DETECTED	REACTION ENGENDERED	COUNTRIES OF DETECTION	TOTAL
Cromolyn	Anti-Bleeder	USA (2)	2
Cyproheptadine	Antihistaminic, Antipruritic, Sedative	ARG (1), BRZ (1)	2
Darbepoetin	EPO Stimulating Agent	USA (1)	1
Dehydronorketamine, norketamine, ketamine	Local Anesthetic, Analgesic		
Dembrexine	Expectorant, Mucolytic		
Dexamethasone	Glucocorticoid, Anti-Inflammatory	ARG (10), AUS (2), BRZ (5), FRA (3), KSA (1), SER (3), SPA (1), TUN (1), TUR (2), UK (1), USA (3), URU (1)	33
Dexamethasone, diclofenac	Glucocorticoid, Anti-Inflammatory		
Dextromethorphan	Antitussive		
Dextropropoxyphene	Analgesic	ARG (1)	1
Detomidine	Sedative, Analgesic		
Diazepam	Anxiolytic, Sedative, Muscle Relaxant (skeletal)		
Diclofenac	Anti-Inflammatory	ARG (2), BRZ (1), MOR (1), UAE (1), USA (1)	6
Di-isopropylamine Dichloroacetate	Vasodilator		
Dimethyl Sulfoxide	Anti-Inflammatory, Analgesic	HUN (1)	1
Diphenhydramine	Anti-Histamine	ARG (1)	1
Dipyron	Analgesic, Antispasmodic	ARG (7), MOR (1), TUR (2)	10
Dipyron, Phenylbutazone	Analgesic, Antispasmodic, Anti-Inflammatory	BRZ (1)	1
Dyphylline	Bronchodilator		
Ephedrine	Sympathomimetic Agent, Bronchodilator	ARG (6)	6
Ephedrine, phenylpropanolamine, pseudoephedrine			
Ergonovine	Reduces uterine bleeding after delivery	GRE (1), MEX (1)	2
Estranediol	Anabolic, androgenic steroid	SPA (1)	1
Etamsylate	Hemostatic	GER (1)	1
Ethacrynic Acid	Diuretic	AUS (1), TUR (1)	2
Ethanol	Psychoactive		
Ethanol Glucuronide	Psychoactive	FRA (1)	1
Ethylephedrine	Bronchodilator		
Etilefrine			
Etodolac	NSAID	USA (1)	1
Etofylline	Bronchodilator	IND (2)	2
Etoricoxib	COX-2 Selective Inhibitor		
Famotidine	Histamine H2-Receptor Antagonist, Anti-Ulcerative		
Fentanyl	analgesic, tranquilizer, general anesthetic		
Firocoxib	Anti-Inflammatory		
Flunixin	Anti-Inflammatory, Analgesic	ARG (5), AUS (2), BRZ (2), GER (1), IND (2), MOR (5), NET (1), PAN (1), POL (1), KSA (3), TUR (1), USA (6), URU (1)	31
Flunixin, Ibuprofen	Anti-Inflammatory, NSAID	AUS (1)	1
Flunixin Meglumine	Anti-Inflammatory, Analgesic		
Flunixin, Methocarbamol	Anti-Inflammatory, Muscle Relaxant (Skeletal)	CYP (1)	1
Flunixin, pentazocine	Anti-Inflammatory, Analgesic		
Flumethasone	Glucocorticoid, Anti-Inflammatory	BRZ (1), SAF (1)	2

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PROHIBITED SUBSTANCES DETECTED	REACTION ENGENDERED	COUNTRIES OF DETECTION	TOTAL
Fluphenazine	Neuroleptic	USA (5)	5
Formoterol	Bronchodilator	ARG (1)	1
Furosemide	Diuretic	ARG (1), AUS (1), BRZ (5), FRA (1), GRE (1), MAU (1), UAE (1), UK (1), URU (1)	13
Furosemide, Flunixin	Diuretic, Anti-Inflammatory, Analgesic	BRZ (3)	3
Furosemide, Stanozolol	Diuretic, Anabolic Steroid	HUN (1)	1
Furosemide, Paracetamol, Ephedrine, Chlorpheniramine and Hydroxychlorpheniramine	Diuretic, Analgesic, Sympathomimetic Agent, Bronchodilator, Antiallergic Agent, Antihistaminic	CYP (1)	1
Gabapentin	Analgesic	GER (1)	1
Ginsenoside RGL			
Glaucine	Anti-inflammatory, Bronchodilatory		
Glycopyrrolate	Anticholinergic	USA (1)	1
Guaifenesin (also metabolite of methocarbamol)	Antitussive, Muscle Relaxant		
Guanabenz	Antihypertensive		
Halazepam	Anxiolytic, Anticonvulsant, Sedative, Skeletal Muscle Relaxant		
Harpagoside	Anti-inflammatory	CYP (1)	1
HEPS	Tranquillizer		
Heptaminol	Cardiotonic		
Heptaminol, diprophylline	Cardiotonic, Bronchodilator		
Hydrochlorothiazide	Diuretic	FRA (2)	2
Hydrocortisone	Glucocorticoid	GER (1)	1
Hydrocortisone, hydrocortisone hemisuccinate	Glucocorticoid, Adrenal Cortex Hormone		
Hydromorphone	Opioid Analgesic		
Hydroxy Aminorex	Stimulant		
Hydroxy Diphenhydramine	Antihistamine		
Hydroxy Lidocaine	Local Anesthetic	IND (1), USA (1)	2
Hydroxy-Mepivacaine	Local Anesthetic	SPA (2)	2
Hydroxymepivacaine, Mepivacaine	Local Anesthetic	UK (1)	1
Hydroxy Phenytoin	Anticonvulsant		
Hydroxyethyl Promazine Sulfoxide			
Hydroxystanozolol			
Hydroxyxylazine	Sedative, Analgesic		
Ibuprofen	NSAID	AUS (8), IND (2), MOR (1), UAE (1)	12
Ibuprofen, Isoxuprine	NSAID, Vasodilator	IND (1)	1
Indomethacin	NSAID		
Ipratropium	Bronchodilator		
Isoflupredone	Anti-inflammatory		
Isoflupredone, Amphetamine	Anti-inflammatory, Stimulant	KSA (1)	1
Isoxuprine	Vasodilator	BRZ (1), CHI (1), IND (3)	5
Ketamine	Anesthetic, Analgesic, Sedative		
Ketoprofen	Analgesic, Anti-Inflammatory	BRZ (2), FRA (1), MOR (1)	4
Ketoprofen, Furosemide	Analgesic, Anti-Inflammatory, Diuretic	BRZ (1)	1
Ketorolac	NSAID		
Lamotrigine	Anticonvulsant	CYP (2), FRA (2)	4
Levamisole	Stimulant	AUS (1), USA (3)	4

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PROHIBITED SUBSTANCES DETECTED	REACTION ENGENDERED	COUNTRIES OF DETECTION	TOTAL
Levomepromazine			
Levorphanol, dextrophan	Opioid Analgesic, Psychoactive		
Lidocaine	Local Anesthetic	ARG (2), AUS (1), BRZ (7), USA (6), URU (1)	17
Lobeline	Respiratory Stimulant		
Madophiline			
Mefenamic Acid	NSAID		
Meloxicam, phenylbutazone	NSAID, analgesic, anti-inflammatory		
Meloxicam	NSAID, analgesic	ARG (3), AUS (1), BRZ (2)	6
Menthol	Anesthetic		
Mephentermine	Cardiac Stimulant	BRZ (1), MEX (1), USA (2)	4
Mephentermine, 3-OH-Lidocaine (Lidocaine metabolite)	Cardiac Stimulant, Local Anesthetic	BRZ (1)	1
Mephentermine, Phentermine, Boldenone	Cardiac Stimulant, Anorexic, Stimulant, Anabolic	MEX (1)	1
Mepivacaine	Local Anesthetic	USA (5)	5
Meprobamate	Anxiolytic (Metabolite of Carisoprodol, a Skeletal Muscle Relaxant)		
Meprobamate, Levamisole	Anxiolytic (Metabolite of Carisoprodol, a Skeletal Muscle Relaxant), Stimulant	USA (1)	1
Metenolone	Anabolic Steroid, Androgen	TUR (1)	1
Methandriol	Anabolic Steroid, Androgen		
Methocarbamol	Muscle Relaxant (Skeletal)	ARG (3), CYP (1)	4
Methocarbamol, Flunixin	Muscle Relaxant (Skeletal), Anti-Inflammatory, Analgesic	BRZ (1)	1
Methylhexanamine	Stimulant	USA (2)	2
Methylprednisolone	Glucocorticoid, Anti-Inflammatory	SAF (1), TUR (3)	4
Methylsulfonylmethane	Anti-Inflammatory, Analgesic	HK (1)	1
Midazolam			
Minoxidil	anti-hypertensive		
Morphine	Analgesic (narcotic)	AUS (1), FRA (2), TUR (1)	4
Morphine/Codeine/Oripavine	Analgesic (narcotic), Opioid Analgesic, Antitussive, Antidiarrheal, Opioid Analgesic	AUS (1)	1
Nabumetone	NSAID	MOR (1)	1
Nandrolone	Anabolic	IND (1)	1
Naproxen	NSAID		
N-ethyl nicotinamide	Vitamin B3 B5 + C		
Naftidrofuryl	Spasmolytic		
Niketamide	Respiratory Stimulant, Analeptic	ARG (3), PAN (1), USA (2)	6
Nimesulide (metabolite)	NSAID, Analgesic, Antipyretic		
Nordazepam and oxazepam			
Nordiazepam	Anxiolytic, Tranquilizer (minor), Metabolite of Diazepam		
Norephedrine (also metabolite of ephedrine)	Sympathomimetic Agent, Bronchodilator		
Norketamine	Anesthetic, Analgesic, Sedative		
O-desmethyl pyrilamine (pyrilamine metabolite)	Anti-Histaminic	CYP (1)	1
Omeprazole	Gastric Secretory Inhibitor, Anti-Ulcerative	FRA (1), GER (1)	2
Omeprazole, cemitidine	Gastric Secretory Inhibitor, Anti-Ulcerative		
Omeprazole, hydroxyomeprazole	Gastric Secretory Inhibitor, Anti-Ulcerative	UK (2)	2
Orphenadrine	Antihistaminic, Muscle Relaxant (skeletal)	ARG (4), BRZ (1), CYP (1)	6
Orthocetamol	Analgesic	IND (1)	1

I. RACING DAY SAMPLES

PROHIBITED SUBSTANCES DETECTED	REACTION ENGENDERED	COUNTRIES OF DETECTION	TOTAL
Oxazepam (also metabolite of diazepam)	Tranquilizer (minor)	ARG (14), AUS (1), FRA (2), USA (2)	19
Oxilofrine	Stimulant, Amphetamine	URU (1)	1
Oxycodone	Opioid Analgesic		
Oxymetazoline	Topical Decongestant, Vasoconstrictor		
Oxymorphone	Opioid Analgesic		
Oxyphenbutazone (also metabolite of phenylbutazone)	Anti-Inflammatory, Analgesic	ARG (4), BRZ (1), POL (2)	7
Parahydroxyephedrine	Adrenergic	ARG (1)	1
Pemoline	CNS Stimulant	ARG (1), USA (1)	2
Pentoxyfylline	Vasodilator	BRZ (1)	1
Pentoxyfylline, Triamcinolone acetonide	Vasodilator, Glucocorticoid, Anti-Inflammatory	BRZ (1)	1
Penicillin G	Antibiotic		
Phentermine	Anorexic, Stimulant	USA (2)	2
Phenylbutazone	Analgesic, Anti-Inflammatory	ARG (4), AUS (2), BRZ (3), CHI (1), MOR (2), NZ (1), POL (2), SPA (1), TUR (2), URU (3)	21
Phenylbutazone, oxyphenbutazone	Analgesic, Anti-Inflammatory	AUS (4), BRZ (2), CYP (1), FRA (1), MOR (4), SAF (2)	14
Phenylbutazone, oxyphenbutazone, dexamethasone	Analgesic, Anti-Inflammatory; Glucocorticoid		
Phenylbutazone, oxyphenbutazone, Meloxicam	Analgesic, Anti-Inflammatory, NSAID	BRZ (1)	1
Phenylbutazone, oxyphenbutazone, flunixin, lidocaine	Analgesic, Anti-Inflammatory, Local Anesthetic	BRZ (1)	1
Phenylpropranolamine	Stimulant, Decongestant, Appetite Suppresant		
Phenytoin	Anticonvulsant		
Picrotoxin	Stimulant, Convulsant		
Polyethylene glycol	Ointment and Suppository Base		
Prednisolone	Glucocorticoid, Anti-Inflammatory	ARG (1), SWI (1)	2
Prednisolone, methylprednisolone	Glucocorticoid, Anti-Inflammatory		
Prednisolone, prednisone	Glucocorticoid, Anti-Inflammatory	AUS (7)	7
Prednisone	Glucocorticoid, Anti-Inflammatory		
Probenecid	Uricosuric	MEX (2)	2
Procaine	Local Anesthetic	ARG (1), CYP (1), FRA (1), JPN [NAR] (1), MEX (1), KSA (1), SER (1), TUR (1), UK (1)	9
Procaine, Chlorpheniramine	Local Anesthetic, Antiallergic Agent, Antihistaminic	MEX (1)	1
Procaine, promethazine	Local Anesthetic, Antihistamine		
Procaine, trimethoprim	Local Anesthetic, Antibiotic	NOR (1)	1
Promazine	Neuroleptic, Tranquilizer		
Proprantheline	Antispasmodic Agent, Gastric Inhibitor		
Propoxyphene metabolites	Analgesic (narcotic)		
Protopanaxatriol			
Pseudoephedrine, Chlorpheniramine, Phenylbutazone, Oxyphenbutazone	Decongestant, Antiallergic Agent, Antihistaminic, Analgesic, Anti-Inflammatory	CYP (1)	1
Pyrilamine	Anti-Histaminic		
Pyrilamine, Clenbuterol	Anti-Histaminic, Bronchodilator	KSA (1)	1
Quinidine	Anti-Arrhythmic		
Ractopamine	Beta-2 Adrenoceptor Agonist, Growth Stimulant	USA (1)	1
Ractopamine, Hydroxyzine	Beta-2 Adrenoceptor Agonist, Growth Stimulant, H1 Antagonist, Analgesic	MEX (1)	1

I. RACING DAY SAMPLES

PROHIBITED SUBSTANCES DETECTED	REACTION ENGENDERED	COUNTRIES OF DETECTION	TOTAL
Tiaprofenic Acid	Histamine H2-Receptor Antagonist, Anti-Ulcerative		
Reserpine	Tranquilizer, Hypotensive	FRA (1)	1
Romifidine	Sedative, Analgesic		
Salbutamol	B2-Adrenergic Receptor Agonist	IND (1)	1
Salbutamol, flunixin	B2-Adrenergic Receptor Agonist, Anti-Inflammatory, Analgesic		
Salicylic Acid (metabolite of aspirin)	Anti-Inflammatory		
Scopolamine	Muscarinic Antagonist	SIN (2)	2
Sildenafil	Vasodilator	ARG (1)	1
Snake venoms	Various, Cobratoxin is an Analgesic Substance		
Sotalol	Beta Blocker, Antiarrhythmic	AUS (1)	1
Stanozolol	Anabolic Steroid	IND (2), KSA (2)	4
Stanozolol metabolites	Anabolic Steroid		
Strychnine	Tonic, Central Stimulant	ARG (3)	3
Sulfadiazine	antibiotic	ARG (1)	1
Synephrine			
TCO2	Bicarbonate	AUS (11)	11
Temazepam	Sedative, Hypnotic		
Terbutaline	Bronchodilator		
Testo > seuil			
Testosterone	Androgen	AUS (13), GRE (1), MAC (1), SAF (2), UK (6)	23
Testosterone Propionate	Androgen, Anabolic Steriod	AUS (1)	1
Tetramisole, pemoline	CNS Stimulant		
Theobromine	Myocardial Stimulant, Weak Diuretic	UK (1), USA (2)	3
Theophylline	Cardiac Stimulant, Vasodilator, Diuretic	ARG (7), FRA (1), SER (1), TUR (1), USA (2)	12
Thioridazine	Neuroleptic		
Thorazine	Antipsychotic	USA (1)	1
Tiaprofenic Acid	NSAID		
Tramadol	Analgesic	USA (2)	2
Tranexamic acid	Hemostatic		
Triamcinolone	Glucocorticoid, Anti-Inflammatory		
Triamcinolone acetonide	Glucocorticoid, Anti-Inflammatory	BRZ (2), SPA (1), UK (1)	4
Trichlormethiazide	Diuretic		
Tripelennamine	Anti-Histaminic		
Valdecoxib			
Vedaprofene			
Verapamil	Anti-Arrhythmic Agent		
Xylazine	Sedative, Analgesic	BAH (1), QAT (1)	2
Xylometazoline			
Yohimbine	Stimulant		
Zilpaterol	Beta-2 Adrenoceptor Agonist, Growth Stimulant	HK (9), USA (13)	22
Zuclopenthixol	Antipsychotic		

I. RACING DAY SAMPLES

COUNTRY	TOTAL POSITIVE CASES	IS THE HORSE INVOLVED SYSTEMATICALLY DISQUALIFIED?	DO YOU APPLY SCREENING LIMITS FOR THERAPEUTIC SUBSTANCES?	DO YOU PUBLISH SCREENING LIMITS?	DO YOU PUBLISH DETECTION TIMES?	OBSERVATIONS/REMARKS
Argentina	116	Yes	Yes	No	Yes	
Australia	70	Yes	Yes	Yes	No	
Austria	0	Yes	Yes	No	No	
Bahrain	1	Yes	Yes	No	No	
Belgium	0	Yes	Yes	No	No	
Brazil	63	Yes	No	No	No	
Chile	6	Yes	No	No	No	
China (Hong Kong)	10	Yes	Yes	No	No	
Croatia	0					
Cyprus	12	Yes	No	No	No	
Czech Republic	0	Yes	No	No	No	
Denmark						
France	22	Yes	Yes	No	Yes	
Germany	7	Yes	No	No	Yes	
Greece	5	Yes	Yes	No	No	
Hungary	4	Yes		Yes	Yes	
India	33	Yes	Yes	Yes	No	
Ireland	0	Yes	Yes	No	Yes	
Italy						
Japan (JRA)	0	Yes	Yes	No	No	
Japan (NAR)	2	Yes	Yes	No	No	
Lebanon						
Macau	2	Yes	Yes	Yes	No	
Malaysia	3	Yes	Yes	No	No	Detection times and withdrawal periods are available from the Official Veterinary Surgeons of each turf club.
Mauritius	1	Yes	Yes	Yes	No	
Mexico	47	No	Yes	No	Yes	
Morocco	18	Yes	Yes	Yes	No	
the Netherlands	3	Yes	No	Yes	No	
New Zealand	2	Yes	No	No	No	
Norway	1	Yes	Yes	No	Yes	
Panama	6	No	No	No	No	
Poland	3	Yes	No	No	No	
Qatar	4	Yes	Yes	Yes	Yes	
Saudi Arabia	14	Yes	Yes	No	No	
Serbia	3	Yes	Yes	No	No	
Singapore	3	Yes	No	No	Yes	
Slovakia	0	Yes	No	No	No	
South Africa	6	Yes	Yes	Yes	Yes	
Spain	8	Yes	Yes	Yes	No	
Sweden	0	Yes	Yes	No	No	We publish withdrawl times
Switzerland	1	Yes	No	No	No	
Tunisia	4	Yes	Yes	No	No	
Turkey	27	Yes	Yes	Yes	No	
United Arab Emirates	4	Yes	Yes	No	Yes	Detection times are published as Suggested Withdrawal Times
United Kingdom	16	Yes	Yes	No	Yes	A list of Detection Times are available on the BHA website. The 6 testosterone cases all were determined to be atypical physiological findings and therefore no disciplinary action was taken.
USA	869	Varies	No	No	No	Disqualification varies by state, no screening limits or detection times.
Uruguay	12	Yes	Yes	No	No	

II. TESTING IN TRAINING			
PROHIBITED SUBSTANCES DETECTED	REACTION ENGENDERED	COUNTRIES OF DETECTION	TOTAL
16 beta-drossistanazolol	Anabolic		
Acepromazine	Tranquilizer	FRA (1)	1
Acepromazine metabolites	Tranquilizer		
Acepromazine-Hydroxyethylpromazine (Acepromazine metabolite)	Tranquilizer	SPA (3)	3
Ambroxol	mucolytic agent	HK (1)	1
Arsenic, dexamethasone, oxyphenbutazone, phenylbutazone	Glucocorticoid, Anti-Inflammatory, Analgesic		
Aminorex	Stimulant	FRA (1)	1
Betamethasone	Analgesic		
Betamethasone, hydroxymeprazole, omeprazole, oxyphenbutazone, phenylbutazone	Glucocorticoid, Anti-Inflammatory, Analgesic, Gastric Secretory Inhibitor, Anti-Ulcerative		
Boldenone	Anabolic	IND (1)	1
Butorphanol	Analgesic, Antitussive		
Butorphanol, clenbuterol, hydroxydetomidine	Analgesic, Antitussive, Bronchodilator, Sedative		
Butorphanol, flumetasone, omeprazole, oxyphenbutazone and phenylbutazone			
Butylscopolammonium	Anti-Spasmotic		
Clenbuterol	Bronchodilator	AUS (1), USA (1)	2
Clenbuterol, dembrexine	Bronchodilator, Expectorant, Mucolytic		
Clenbuterol, hydroxymeprazole, meloxicam	Bronchodilator, Gastric Secretory Inhibitor, Anti-Ulcerative, NSAID, analgesic	HK (1)	1
Dembrexine	Expectorant, Mucolytic		
Dexamethasone	Glucocorticoid, Anti-Inflammatory	FRA (2), SPA (3)	5
Dexamethasone, oxyphenbutazone, phenylbutazone	Glucocorticoid, Anti-Inflammatory, Analgesic		
Diazepam	Anxiolytic, Sedative, Muscle Relaxant (skeletal)		
Diazepam, nordazepam, temazepam	Anxiolytic, Sedative, Muscle Relaxant (skeletal)		
Ephedrine Phenylpropanolamine pseudoephedrine			
Ethylestrenol	anabolic steroid	UK (7)	7
Flumethasone	Glucocorticoid, Anti-Inflammatory		
Flunixin	Anti-inflammatory	FRA (1)	1
Fluphenazine	Neuroleptic		
Furosemide	Diuretic	IRE (1)	1
Heptaminol	Cardiotonic	HK (1)	1
Hydrochlorothiazide	Diuretic	FRA (2), SPA (2)	4
Hydrocortisone	Corticosteroid	AUS (1)	1
Hydroxy Lidocaine	Local Anesthetic		
Hydroxychlorpheniramine	Antihistamine	FRA (1)	1
Hydroxyethylpromazin			
Hydroxymepivacaine, hydroxymeprazole, omeprazole, oxyphenbutazone, phenylbutazone	Local Anesthetic, Gastric Secretory Inhibitor, Anti-Ulcerative, Anti-Inflammatory, Analgesic	HK (1)	1
Hydroxymeprazole, omeprazole	Gastric Secretory Inhibitor, Anti-Ulcerative		
Hydroxymeprazole, omeprazole, hydroxydantrolene	Gastric Secretory Inhibitor, Anti-Ulcerative, muscle relaxant	HK (1)	1
Hydroxymeprazole, omeprazole, meloxicam	Gastric Secretory Inhibitor, Anti-Ulcerative, NSAID, analgesic	HK (2)	2
Hydroxymeprazole, omeprazole, trometamol	Gastric Secretory Inhibitor, Anti-Ulcerative		
Hydroxyxylazine	Sedative, Analgesic		
Ibuprofen	NSAID	AUS (6)	6
Meloxicam	NSAID, analgesic	FRA (2), HK (2)	4
Meloxicam, oxyphenbutazone, phenylbutazone	NSAID, Anti-Inflammatory, Analgesic		
Methylprednisolone	Glucocorticoid, Anti-Inflammatory		
Nandrolone	Anabolic	IND (2)	2
Norethandrolone			
Omeprazol	Gastric Secretory Inhibitor, Anti-Ulcerative	GER (2)	2
Oxyphenbutazone	Anti-Inflammatory, Analgesic		
Oxyphenbutazone, phenylbutazone	Anti-Inflammatory, Analgesic	BEL (1), HK (4), SPA (3)	8
Oxyphenbutazone, phenylbutazone and triamcinolone acetonide	Anti-Inflammatory, Analgesic, Glucocorticoid, anti-inflammatory		
Phenylbutazone	Anti-Inflammatory, Analgesic	IRE (1), USA (3)	4
Prednisolone	Glucocorticoid, Anti-Inflammatory	SAF (1), SPA (1)	2
Procaine	Local Anesthetic	FRA (1), SPA (1)	2
Promazine Hydroxymethyl	Tranquilizer		
Salicylic Acid	Anti-Inflammatory		
Stanozolol	anabolic steroid	UK (20)	20
Testosterone	Androgen	AUS (8), MAU (1)	9
Triamcinolone	Glucocorticoid, Anti-Inflammatory		
Triamcinolone acetonide	Glucocorticoid, Anti-Inflammatory		
Trometamol			
Zilpaterol	Beta-2 Adrenoceptor Agonist, Growth Stimulant	HK (8)	8
Zuclopentixol			
			102

III. DETAILS UPDATING

COUNTRY	LABORATORY(RIES) ANALYZING ROUTINE SAMPLES	HEAD OF RACING LABORATORY(RIES)	IS(ARE) LABORATORY(RIES) ACCREDITED? BY WHICH OFFICIAL BODY?	CHIEF VETERINARY OFFICER
Argentina	<p>Instituto Provincial de Loteria y Casinos: Investigation and Doping Control Center Diagonal 113 y 62 La Plata, Buenos Aires Tel. Fax: +54 221 4246990 e-mail: controldoping@loteria.gba.gov.ar controldoping@loteria.gba.gov.ar</p> <p>San Isidro Racetrack Laboratory Hipodromo de San Isidro - Av. Bernabe Marquez 504 (1642) San Isidro - Buenos Aires Tel: +541147434011/9 int 1290 Fax: +541147421357 E-mail: pporto@jockeyclub.com.ar</p> <p>Laboratorio de Control de Doping-Secretaria de Deporte - Ministerio de Desarrollo Social Miguel B. Sanchez 1050 (1429) - CABA Tel: +541147041943 E-mail: labdoping@deportes.gov.ar</p>	<p>Dra. Patricia Porto (San Isidro Racetrack Laboratory) Dra. Angeles de Cristofano (Investigation and Doping Control Center) Dr. Hugo Osvaldo Rodriguez (Laboratorio de Control de Doping)</p>	<p>The Laboratory is certified according to ISO 9001-2008, by IRAM (Instituto Argentino de Normalizacion y Certificacion), Certified N 9000-3683 and IQNet (The International Certification Network Registration Number AR-QS-3683). (San Isidro Racetrack Laboratory) The accreditation is being handled by OAA(Organismo Argentino de Acreditacion)(San Isidro Racetrack Laboratory)</p>	<p>Dr. Alberto L. Costa (San Isidro Racetrack Laboratory) Av. Bernabe Marquez 504 1642 San Isidro - Buenos Aires Tel: +541140063400 int 2372 Email: albertocostavet@hotmail.com, acosta@jockeyclub.com.ar</p> <p>Dr. Raul Mazzone (La Plata Racetrack, Investigation and Doping Control Center) 44 y 115. La Plata. Buenos Aires Tel: +542214270919 Email: ramonlopez6@gmail.com</p> <p>Dr. Ricardo Campodonico (Palermo Racetrack, Doping Control Laboratory) Av Libertador. Capital Federal. Buenos Aires Tel: +541147779006 Email: rcampodonico@palermo.com.ar</p> <p>Dr. Andres Smetana (La Punta Racetrack) BV Las Canadas 9012-5710 La Punta. San Luis Tel: +542652530805 E-mail: secretaria@hipodromolapunta.com.ar</p>
Australia	<p>Queensland Queensland Government Racing Science Centre PO Box 513 Albion QLD 4010 Tel: +61 7 3862 1477 Fax: +61 7 3857 0035 Email: bruce.young@racing.qld.gov.au</p> <p>Western Australia Chem Centre PO Box 1250 Bentley DC WA 6102 Tel: +61 8 9422 9880 Fax: +61 8 9422 9831 Email: crusso@chemcentre.wa.gov.au / jwhite@chemcentre.wa.gov.au</p> <p>Victoria, South Australia & Tasmania Racing Analytical Services Limited 400 Epsom Road Flemington VIC 3031 Tel: +61 3 9376 6760 Fax: +61 3 9376 6875 Email: rasl@rasl.com.au</p> <p>New South Wales, Northern Territory & Australian Capital Territory Australian Racing Forensic Laboratory Royal Randwick Racecourse Alison Road Randwick NSW 2031 Tel: +61 2 8344 5000 Fax: +61 2 9662 6107 Email: arflab@racingnsw.com.au</p>	<p>Mr. Mark Jarrett, Manager, Analytical Services</p> <p>Mr. Charles Ivan Russo / James White</p> <p>Mr. David Batty, Laboratory Director</p> <p>Mr. John Keledjian, General Manager</p>	<p>National Association of Testing Authorities (NATA) ISO/IEC 17025</p> <p>National Association of Testing Authorities (NATA)</p> <p>National Association of Testing Authorities (NATA)</p> <p>National Association of Testing Authorities (NATA) to ISO17025</p>	<p>Dr. Bruce Young-Chief Veterinary Officer Queensland Government Racing Science Centre PO Box 513 Albion QLD 4010 Tel: +61 7 3862 1477 Fax: +61 7 3857 0035 Email: bruce.young@racing.qld.gov.au</p> <p>Dr. Judith Medd-Chief Veterinary Officer Racing & Wagering Western Australia 14 Hasler Road Osborne Park WA 6017 Tel: +61 8 9445 5459 Fax: +61 8 9479 3116 Email: judith.medd@rwwa.com.au</p> <p>Dr. Brian Stewart-Chief Veterinary Officer Racing Analytical Services Limited 400 Epsom Road Flemington VIC 3031 Tel: +61 3 9376 6760 Fax: +61 3 9376 6875 Email: jvine@rasl.com.au</p> <p>Dr. Craig Suann-Chief Veterinary Officer Australian Racing Forensic Laboratory Royal Randwick Racecourse Alison Road Randwick NSW 2031 Tel: +61 2 8344 5050 Fax: +61 2 9662 6107 Email: csuann@racingnsw.com.au</p>
Austria	<p>Laboratoire des Courses Hippiques 15, Rue de Paradis F-91370 Verrieres-Le-Buisson secretariat@lchfrance.fr</p>	<p>Dr. Yves Bonnaire</p>		<p>Dr. Isabella Copar Iglasegasse 72 A-1190 Vienna AUSTRIA 43 6642264790 Isabella.copar@chello.at</p>
Bahrain	<p>Equine Forensic Unit Central Veterinary Research Laboratory P.O. Box 597 Dubai, UAE Tel: +9714 3366082 Fax: +9714 3349343 Email: peterfu@emirates.net.ae</p>	<p>Mr. Ali Redha</p>	<p>Yes - NATA</p>	<p>Dr. Ricardo Penso P.O. Box 25079 Kingdom of Bahrain Tel: +973 17440440 Fax: +973 17442777 racings@batelco.com.bh</p>

III. DETAILS UPDATING

COUNTRY	LABORATORY(RIES) ANALYZING ROUTINE SAMPLES	HEAD OF RACING LABORATORY(RIES)	IS(ARE) LABORATORY(RIES) ACCREDITED? BY WHICH OFFICIAL BODY?	CHIEF VETERINARY OFFICER
Belgium	Laboratoire des Courses Hippiques 15, Rue de Paradis 91370 Verrieres le Buisson France Tel 33(0) 1 69 75 28 28 Fax 33(0) 1 69 75 28 29	Dr. Yves Bonnaire	COFRAC	VAN DOOREN David Leiestraat 60 8520 Kuume Belgium e-mail: d.v.n@busmail.com
Brazil	Chromanalysis Address: Rua Havai, 547/549 - Sumare - Sao Paulo - SP Tel: (55) (11) 3868-4044 chromanalysis@chromanalysis.com.br	Myriam Salvadori	Yes - INMETRO	Mayra Frederico Address: Praca Santos Dumond, 31 - Gavea - Rio de Janeiro - RJ Tel: (55) (21) 3534-9058
	Jockey Club de Sao Paulo Departamento de Controle e Pesquisas Antidopagem Rua Bento Frias 248 CEP 05423-050 Sao Paulo, Sao Paulo, Brasil. Tel:(55-11)2161-8414 Fax:(55-11)3814-0733 email: antidopagem@jockeysp.com.br	Mirtes Eliete Velletri de Souza CRF 5831, Coordenadora de Departamento	Works with ISO 17025 system and is in the way to be accredited on that.	Regis Pio Monteiro da Silva Jockey Club de Sao Paulo Departamento de Controle e Pesquisas Antidopagem Rua Bento Frias 248 CEP 05423-050 Sao Paulo, Sao Paulo, Brasil Tel: (55-11)2161-8416 Fax: (55-11)3814-0614 anti.dopagemvet@jockeysp.com.br
Chile	Laboratorio de Analisis Antidoping y Drogas de Abuso de la Universidad de Chile Direccion: Sergio Livingstone N 1007, Independencia, Santiago +56-2-2735 57 33 - +56-2-2978 28 00 Email: camargodoping@hotmail.com	Dr. Cristian Camargo Dr. Cristian Nunez	Association of Official Racing Chemists Instituto Nacional de Normalizacion Instituto Nacional de Deportes	Dr. Mariano Goic phone: '+56-2-2693 9657 email: mariano.goic@clubhipico.cl Director Clinica Veterinaria Club Hipico de Santiago S.A. Av Blanco Encalada 2540 Santiago, Chile
China (Hong Kong)	Racing Laboratory, The Hong Kong Jockey Club Sha Tin Racecourse, Sha Tin, New Territories, Hong Kong, China Tel: '+852-2966-6296 or '+852-2966-6304 Fax: '+852-2601-6564 or '+852-2607-2618 Email: terence.sm.wan@hkjc.org.hk	Dr. Terence S.M. Wan	Yes, accredited by the Hong Kong Accreditation Service (to the requirements of ISO/IEC 17025 : 2005)	Dr. Peter Curl The Hong Kong, Jockey Club, Equine Hospital Sha Tin Racecourse, She Tin, New Territories, Hong Kong, China Tel: '+852-2966-6741 Fax: '+852-2602-3305 Email: peter.curl@hkjc.org.hk
Croatia	LCH France			Croatian Gallop Association R. Cimermana 5 HR Zagreb, 10000 00385 21 467 990 Fax secretary.crogallop@gmail.com
Cyprus	HFL Sports Science LTD Newmarket Road, Fordham, Cambridgeshire U.K. CB7 5WW Tel: 44 (0) 1638720500 Fax: 44 (0) 1638724200 Email: info@hfl.co.uk	Mr. Steve Maynard, Director, Drug Surveillance Group		Dr. George Kyriakides, Director (until August 2013) Dr. Andreas Papaefstathiou, Deputy Director Veterinary Services, 1417 Nicosia, Cyprus Tel. '00357 - 22805250 Fax. '00357 - 22332803 E-mail: director@vs.moa.gov.cy
Czech Republic	Deutsche Sporthochschule Koln, Institut fur Biochemie Carl - Diem Weg 6 509 33 Koln, Germany Tel: 0221-49824920 Fax: 0221-4973236 Email: info@biochem.dshs-koeln.de	Prof. Wilhelm Schanzer	IOC/WADA accredited Anti-Doping Laboratory	MCDr. Ivo Strauss, KVS Husova 1747, 530 03 Pardubice, Czech Republic +420 777783300, i.strauss.kvse@svscr.cz MVDr. Petr Jahn, VFU, Palackeho 3-5, 612 42 Brno. Czech Republic +420 777756650, jahnp@vfu.cz
Denmark	Statens Veterinarmedicinska Anstalt SE-751 89 Uppsala Phone '+46 - 18 67 40 00 Fax '+46 - 18 30 91 62	Mikael Hedeland	SWEDAC, the Swedish accreditation body, ISO 17025	Helge Jakobsen Hesteklinikken Ordruo Jaqtvej 201 DK-2920 Charlottenlund Phone '+45 - 70 26 37 07
France	Laboratoire des Courses Hippiques - L.C.H. 15, rue de Paradis - 91370 Verrieres-le-Buisson France Tel: +33 (0)1 69 75 28 28 Fax: +33 (0)1 69 75 28 29	Dr. Yves Bonnaire	COFRAC	Dr. Paul-Marie Gadot - Head of Licencig Horses and Control Department Societe France Galop - 46, Place Abel Gance - 92655 Boulogne Cedex (France) Tel. +33 (0)1 49 10 23 25 - Mobile: +33 (0)6 85 54 31 56 - Fax: +33 (0) 1 49 10 21 55 pmgadot@france-galop.com
Germany	Prof. Dr. Wolfgang Schanzer Institut fur Biochemie - Deutsche Sporthochschule Koln Am Sportpark Mungersdorf 6 50933 Koln Tel: 0049-221-4971313 Fax: 0049-221-4973236 Email: schaezner@biochem.dshs-koeln.de	Prof. Dr. Wolfgang Schanzer	WADA AORC Iso 17025.2005	Dr. Thomas Weinberger Burg Muggenhausen 53919 Weilerswist Tel. 0049-225496260 Fax 0049-2254-962777 email: burg.mueggenhausen@t-online.de

III. DETAILS UPDATING

COUNTRY	LABORATORY(RIES) ANALYZING ROUTINE SAMPLES	HEAD OF RACING LABORATORY(RIES)	IS(ARE) LABORATORY(RIES) ACCREDITED? BY WHICH OFFICIAL BODY?	CHIEF VETERINARY OFFICER
Great Britain	HFL Sport Science Newmarket Road, Fordham, Cambridgeshire CB7 5WW Tel: +44 (0) 1638 720500 Fax: +44 (0) 1638 724200 Email: info@hfl.co.uk			
Greece	Athens Doping Control Lab 00302106834567/6868549/6853074 oaka@ath.forthnet.gr	Manolis Lyris Ph.D Tel: 00306976563007	WADA AORC ISO/IEC 17025	Petros Zafeiris/Markopoulo Mesogaras 19003/00302299041332 pzafeiris@yahoo.gr Tel: 00306944457420
Hungary	LCH			Dr. Krisztina Machay 2330 Dunaharaszti Jokai Phone: +36309922228 Email: machayk@pr.hu
India	1. Central Veterinary Research Laboratory, Equine Forensic Unit, PO Box No.597, Dubai, UAE Email: peterfu@emirates.net.ae 2. Hong Kong Jockey Club Laboratory, Shatin Race Course, Shatin, NT, Hong Kong email: amanda.wk.chan@hkjc.org.hk 3. Laboratoire Des Courses, Hippiques, 15 Rue De Paradis 91370, Verrieres Le Buisson, France email: secreariat@lchfrance.fr 4. Horse Racing Forensic Lab, New Market Road, Fordham, Cambridgeshire, CBT, 5WW England 5. Analytical Laboratory (A.O.R.C. accredited), Madras Race Club, PB No. 2639, Guindy, Chennai 600032, India. Email: secretary@madrasraceclub.in	1. Mr. Peter Albert(Dubai) 2. Dr. Terence S M Wan (Hong Kong) 3. Dr. Yves Bonnaire (France) 4. Mr. Steve Maynard (England) 5. Mr. K Sankar (India)	1. Accredited by NATA 2. Accredited by HKAS 3. Accredited by CONFRAC-ESSAIS 4. Accredited by UKAS	1. Dr. K Venugopal Reddy, Hyderabad Race Club, Malakpet, Hyderabad-50036, Tel: 040-24549491, Fax: 040-24548493, email: secyhrc@yahoo.co.in 2. Dr. S V Chinmulgund, Bangalore Turf Club Ltd, Race Course Road, Bangalore 560001, Tel: 080-22265904, fax: 080-22207425. Email: secbtc@yahoo.com 3. Dr. S K Kulakami, Royal Western India Turf Club Ltd, Race Course, Mahalaxmi, Mumbai 400034, Tel: 020 23071401/07, Fax: 022 23090351 Email: drskkvet@gmail.com 4. Dr. Shankar KAR, Royal Calcutta Turf Club, Calcutta Rac Course, Hastings, Kolkata, 700022 Tel: 03322234252, Fax: 03322316953 5. Dr. S M Karthikeyan, Madras Race Club, Guindy, Chennai 600032, Tel: 04422425246, Fax: 040 22301660 Email: karti.horsevet@gmail.com 6. Dr. C.V. Niranjan, Senior Veterinary Officer, Mysore Race Club Ltd., PO Box no. 11, Race Course Road, Mysore-570010, Tel: 08212521675 Fax: 08212520248
Ireland	BHP Laboratories, New Road, Thomondgate, Limerick, Ireland Phone: 353 61 455399 Fax: 353 61 445447 Email: colettehannan@bhp.ie	Mr. Dermot Purcell	Accredited to ISO 17025 by Irish National Accreditation Board (INAB)	
Italy	UNIRELAB srl, Via Gramsci 70 (20019) Settimo Milanese MILANO Tel: +3902-33502133 Fax: +390233514200	Dott. Marco Fidani	ACCREDIA; accreditation N 0751 UNI CEI EN ISO/IEC 17025:2005 CERTIQUALITY; certificate n - UNI EN ISO 9001:2008	
Japan (JRA)	Laboratory of Racing Chemistry 1731-2 Tsuruta-machi Utsunomiya, Tochigi 320-0851 Japan Tel: +81-28-647-4460 Fax: +81-28-647-4463 Email: i-suda@lrc.or.jp	Dr. Yutaka Mizuno (President)	Yes. It is accredited to ISO/IEC 17025 by The Japan Accreditation Board	Dr. Kazuhisa Hariu Senior Technical Advisor of Equine Department Japan Racing Association 11-1 Roppongi 6-Chome Minato-ku, Tokyo 106-8401 Japan Phone: +81-3-5785-7504 Fax: +81-3-5785-7526 Email: Kazuhisa_Hariu@jra.go.jp
Japan (NAR)	Laboratory of Racing Chemistry 1731-2 Tsuruta-machi, Utsunomiya, Tochigi, 320-0851 JAPAN Tel: +81-28-647-4455 Fax: +81-28-647-4458 Email: i-suda@lrc.or.jp	Yutaka Mizuno (President)	ISO / IEC 17025	Koji Iwasaki (manager of Racing Regulatory Department) Tel: +81-3-3583-6042 Fax: +81-3-3583-8874 k-iwasaki@nar.keiba.go.jp
Lebanon	Prof. Dr. Aziz Geahchan Hippodrome du Parc de Beyrouth Avenue Omar Beyhum B.P 116/5518 Beyrouth Tel: +961 1 632 515 Fax: +961 1 632 535 sparca.leb@gmail.com			Dr. Salah ALAYWAN Hippodrome du Parc de Beyrouth Avenue Omar Beyhum B.P 116/5518 Beyrouth Tel: +961 1 632 515 Fax: +961 1 632 535 Sparca.leb@gmail.com
Macau	Racing Analytical Services, Melbourne 400 Emsom Road Flemington VICTORIA AUSTRALIA Email: rasi@rasl.com.au Tel: +61 3 9376 6760 / Fax: +61 3 9376 6875	Dr. David Batty	NATA	Dr. Grant Scott, BSA., DVM., DACVS Senior Veterinary Surgeon Macau Jockey Club, Hipodromo da Taipa Tel: +853 66189288 Fax : +853 28820032

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COUNTRY	LABORATORY(RIES) ANALYZING ROUTINE SAMPLES	HEAD OF RACING LABORATORY(RIES)	IS(ARE) LABORATORY(RIES) ACCREDITED? BY WHICH OFFICIAL BODY?	CHIEF VETERINARY OFFICER
Malaysia	Veterinary Forensic Laboratory, c/o Usains Bionmics Sdn. Bhd Suite 016 Ground Floor Eureka Complex Universiti Sains Malaysia 11800 USM Minden Penang, Malaysia Email: biomics@usainsgroup.com Tel: +604-659 3140 Fax: +604-656 9796	Dr. Tan Soo Choon	None	Dr Shri Kanth Chairman MRA Veterinary Technical Committee Selangor Turf Club Jalan Sungei Besi 57100, Kuala Lumpur, Malaysia Tel: 603 9058 3888 Fax: 603 9058 5755 shr73@gmail.com
Mauritius	Mauritius Turf Club Laboratory (MTCL) Eugene Laurent Street Champ de Mars Port Louis Mauritius Tel: +230 2132675 Fax: +230 2115740 Email: Bertrand.baudot@mauritusturfclub.com	Bertrand Baudot	Yes, International Standard ISO/IEC 17025:2005 Mauritius Accreditation Services (MAURITAS)	Dr. Christian Bourdet The Mauritius Turf Club Dr. Eugene Laurent Street Champ de Mars Port Louis Mauritius Tel: +230 2122212 Fax: +230 2638646 Email: christianbourdet@yahoo.com
Mexico	LGC Science, Inc. 1745 Alysheba Way, Suite 160, Lexington, Kentucky 40509, USA Tel: (859) 721-0180 Fax: (859) 264-0371 Laboratory: Truesdail Laboratories, Inc. 14201 Franklin Avenue, Tustin, CA 92780-7008 Tel: (714)730-6239, Fax: (714)730-6462 Email: www.truesdail.com		ISO/IEC 17025:2005 General Requirements of the Competence Of Testing And Calibration Laboratories and the American Association for Laboratory Accreditation's R203 Specific R ACCLASS Accredited Testing AT-1408 ISO/IEC 17025	M.V.Z. Guadalupe Juana Zarinana Leguizamo Av. Del Conscripto #311, Interior del Hipodromo de las Americas Zona de Caballerizas, Col. Lomas de Sotelo, C.P. 11200, Mexico, D.F. Tel: (0155)5080-4102, 5080-4103, 5080-4104
Morocco	Pr. Kessabi Mimoun Institut Agronomique et Veterinaire Hassan II BP 6202 Rabat instituts 10101 Rabat Maroc Tel: 05 37 77 07 83 Fax: 05 37 77 07 83	Pr. Kessabi Mimoun	No	
Netherlands	Laboratoire des Course Hippiques 15, Rue de Paradis 91370 Verrieres le Buisson France Tel: +33-169752828 Fax: +33-169752829 email: secretariat@chfrance.fr	Dr. F. Balssa	IFHA	C.W. Mellegers Postbus 60 2240 AB Wassenaar, Pays Bas Tel +31-703047142 Fax +31-703047125 Email: c.mellegers@ndr.nl
New Zealand	New Zealand Racing Laboratory Services PO Box 19514, Avondale Auckland 1746, New Zealand Tel: +64 9 828 0470 Fax: +64 9 828 0472 lab@nzrls.co.nz	Rob Howitt	Accredited by International Accreditation New Zealand ISO:17025 and ILAC-G7	Dr. Andrew Grierson, PO Box 82, Takanini, Auckland 1730 T: Bus: 09 299 8932; Fax: 09 298 6343; Mobile: 021 924 480; Email: andrew@aucklandvets.co.nz
Norway	SVA Statens Veterinarmedicinska Anstalt Ullsvag 2 b, Uppsala, Sweden, www.sva.se, sva@sva.se, Tel: +46 18674000 HFL Sports Science, Newmarket, England			Chief Veterinary Anne Wangen Mob: +47 90557115 Anne.wangen@travsport.no
Panama	Laboratory of Analisis and Drugs Phone: 507-2337420	Lic. Luis Garrido	University Fundation is directed by the Universidad de Panama	Dr. Guido Tufon - Magdalena Villarreal Phone: 507 67807309 email: tguido@hotmail.com
Poland	Laboratoire des Courses Hippiques 15 Rue de Paradis 91370 Verrieres Le Buisson Tel: 33 1 69 75 28 28 Fax: 33 1 69 75 28 29	Dr. Yves Bonnaire	Yes by COFRAC	Ms Anna Szkutnik MDV ul. Slominskiego 33 77-130 Lipnica POLAND Mobile: +48 (0) 796 672 727 Email: szkutnik.anna@gmail.com
Qatar	Laboratoire des Courses Hippiques, 15 rue de Paradis, 91373 Verrieres le Buisson - France. Tel: +33 1 69 75 28 28 Fax: +33 1 69 75 28 29	Dr. Yves Bonnaire		Dr. Thiago Reis Ribeiro da Luz - Regulatory Veterinary Officer & Anti-doping program coordinator Racing and Equestrian Club, Doha - Qatar PO Box 7559 mobile number +974 33852132. thiluz@hotmail.com

III. DETAILS UPDATING

COUNTRY	LABORATORY(RIES) ANALYZING ROUTINE SAMPLES	HEAD OF RACING LABORATORY(RIES)	IS(ARE) LABORATORY(RIES) ACCREDITED? BY WHICH OFFICIAL BODY?	CHIEF VETERINARY OFFICER
Saudi Arabia	Laboratoire des Coures Hippiques 15 Rue de Paradis, 91370 Verrieres Le Buisson Tel: +33 1 69 75 28 28 Fax: +33 1 69 75 28 29 Racing Laboratory, The Hong Kong Jockey Club 6/F Central Complex She Tin Racecourse.. She Tin, New Territories TEL: +852 2966 6296 FAX: +852 2601 6564	Dr. Yves Bonnaire <i>Director of Laboratory</i> Director of Laboratory des courses hippiques France - Paris Dr. Terence S.M. Wan <i>Chief Racing Chemist</i> (Head of Racing Laboratory) Hong Kong		Dr. Ahmad Ali A. Alaeeyari <i>Veterinary Officer</i> P.O. Box 26323, Riyadh, 11486, Kingdom of Saudi Arabia TEL: +966 11 254 0222 FAX: +966 1 254 0503 MOBILE: +966 55 613 3871 E-MAIL: vit3881@gmail.com
Serbia	Deutsche Sporthochschule Kohn Institut fur Biochemie Am Sportpark Mungersdorf 6 50933 Kohn Tel: +49.221 4971313 Fax: +49.221 4973236	Prof Dr. W. Schanzer	WADA AORC ISO	Prof. Dr. Dragisa Trailovic Ugrinovacki put 38 11030 Zemun/Belgrade Serbia Tel: +381 64 6167536
Singapore	STC Laboratory 1 Turf Club Avenue Singapore Racecourse Singapore 738078 Tel: +65 68791930 Fax: +65 68791939 Email: shawnstanley@turfclub.com.sg	Dr. Shawn Stanley	YES - Singapore Accreditation Council ISO17025	Dr. Koos van den Berg, 1 Turf Club Avenue, Singapore Racecourse, Singapore 738078, tel.: (65)6879 1330, Fax: (65)6879 1349, Email: koosvdberg@turfclub.com.sg
Slovakia	Deutsche Sporthochschule Kohn Institut fur Biochemie Am Sportpark Mungersdorf 6 50933 Kohn Germany Tel: 49 (0)221-497 1313 Telefax: 49 (2)221-4973236 E-mail: schaezner@biochem.dshs-koeln.de	Prof. Dr. Wilhelm Schanzer	ISO/IEC 2005: 17025	MVDr. Radoslav Kristolic Regionalna veterinarna a potravina sprava Bratislava-mesto Polianky 8, 841 01 Bratislava, Slovakia tel: 00421 918 696 847 email: ZdravieZvierat.Ba@svps.sk fax: 00421 (2)644 61 208
South Africa	The National Horseracing Authority of Southern Africa PO Box 74439 Turffontein 2140 South Africa Tel: +27 11 683 9283 Fax: +27 11 683 3888 Email: lab@nhrallaboratory.co.za	Dr. Schalk de Kock Email: schalkdk@nhrallaboratory.co.za	Association of Official Racing Chemists (AORC)	Dr. Dale Wheeler The National Horseracing Authority of Southern Africa PO Box 74439 Turffontein 2140 South Africa Tel: +27 11 683 9283 Fax: +27 11 683 5548 E-mail: dpwvet@nhra.co.za
Spain	Laboratoire des Courses Hippiques 15 Rue de Paradis 91370 Verrieres le Buisson France Tel. 33(0)1-69-75-28-28 Fax: 33(0)1-69-75-28-29	Dr. Yves Bonnaire	COFRAC ISO 17025	Dr. Manuel Rodriguez Tel. 0034639672567 manuel_rodriguez@vet.ucm.es
Sweden	National Veterinary Institute Statens Veterinarmedicinska Anstalt ulf.bondesson@sva.se Tel: +46 18 67 40 00 Fax: +46 18 30 91 62	Dr. Ulf Bondesson	SWEDAC, the Swedish accreditation body, ISO 17025	Goran Akerstrom +46 8 627 20 87 goran.akerstrom@travsport.se
Switzerland	Laboratoire des Courses Hippiques 15 Rue de Paradis F-91370 Verrieres-le-Buisson Tel: +33 1 69 75 28 28 Fax: +33 1 69 75 28 29	Dr. Yves Bonnaire	COFRAC ISO 17025	Federation Suisse des Courses de Chevaux Gilles Thiebaud Les Longs-Pres, Case postale 175 CH-1580 Avenches Tel +41 26 676 76 20 Fax +41 26 676 76 29 Mail: spv@iena.ch
Tunisia	Laboratoire des Courses Hippiques (LCH) 15 Rue de Paradis 91370 Verrieres le Buisson France Tel: 0033 1 69 75 28 28 Fax: 0033 1 69 75 28 28 29 y.bonnaire@lchrance.fr	Dr. Bonnaire Yves	COFRAC Accreditation N 1-0804	Dr. Lanoussi Faouzi Courses.tunisie@planet.tn Tel: 0021622889198
Turkey	Etilik Veterinary Control Central Research Institute Ahmet Sefik Kolayli Caddesi No: 23 06020 Etilik-ANKARA TURKEY Telephone: +90 312 326 00 90 Fax: +90 312 321 17 55 ehh.o@merkezvvet.gov.tr	Dr. Ozhan TURKYILMAZ, Director Mr. Erdal Turhan, Chief	Yes, by Turkish Accreditation Agency TS EN ISO/IEC 17025 Standart	Ministry of Food, Agriculture and Livestock of Turkey General Directorate of Food and Control Eskisehir Yolu 9. km Lodumlu ANKARA TURKEY Telephone: +90 312 258 76 10 Fax: +90 312 258 76 93 Prof. Dr. Irfan Erol irfan.erol@tarim.gov.tr

III. DETAILS UPDATING

COUNTRY	LABORATORY(RIES) ANALYZING ROUTINE SAMPLES	HEAD OF RACING LABORATORY(RIES)	IS(ARE) LABORATORY(RIES) ACCREDITED? BY WHICH OFFICIAL BODY?	CHIEF VETERINARY OFFICER
United Kingdom	Sports & Specialised Analytical Services, LGC Newmarket Road, Fordham, Cambridgeshire UK CB7 5 WW Tel +44(0) 1638 724412 Fax +44(0) 1638 724200 Email: info@lgcgroup.com	Clive Pearce	Accredited by UKAS ISO9001	Jennifer Hall 75 High Holborn London WC1V 1LS Tel: +44 (0) 207 152 0090 Mobile: +44 (0) 7887 051932 Email: jehall@britishhorseracing.com
United Arab Emirates	Equine Forensic Laboratory Central Veterinary Research Laboratory PO Box 597 Dubai UAE Tel: +97143366082	Peter Albert peterrefu@emirates.net.ae	NATA accreditation	David Sykes Emirates Racing Authority PO Box 9452 Dubai UAE David.Sykes@emiratesracing.com +971501891448
USA	Center for Toxicology Services 1819 W. Drake Avenue, Suite 102 Tempe, AZ 85283 Tel: 602-345-7454 Fax: 602-345-8350 Serves Kansas, South Dakota			
	New York Drug Testing and Research Program Morrisville Auxiliary Corporation SUNY Morrisville 777 Warren Road Ithaca, NY 14850 Tel: 607-882-9064 Serves New York			
	Dalare Associates 217 S. 24th Street Philadelphia, PA 19103 Tel: 215-567-1953 Fax: 215-567-1168 Serves Delaware, West Virginia	Mr. Joseph Strug	No	N/A
	University of Florida College of Veterinary Medicine Racing Laboratory 1200 SW 34th Street Gainesville, FL 32610 Tel: 352-392-4700 Serves Florida, New Hampshire	Dr. Patrick Colahan	Yes - ISO/IEC 17025 Laboratory accredited to ISO/IEC 17025, "General requirements for the competence of testing and calibration laboratories."	N/A
	HFL Sport Science 1745 Alysheba Way Lexington, KY 40509 Tel: 859-721-0181 Fax: 859-264-0371 Serves Kentucky	Dr. Rick Sams	Yes - ISO/IEC 17025 Laboratory accredited to ISO/IEC 17025, "General requirements for the competence of testing and calibration laboratories."	
	University of Illinois Animal Forensic Toxicology Lab 2242 West Harrison Street Suite 100 Chicago, IL 60601 Tel: 312-633-3550 Fax: 312-633-3558 Serves Illinois	Dr. Adam Negrusz	No	N/A
	Industrial Labs 4046 Youthfield Street Wheat Ridge, CO 80033 Tel: 303-287-9691 Fax: 303-287-0964 Serves Arizona, Colorado, Minnesota, Montana, Nebraska, North Dakota, Utah, Wyoming	Ms. Petra Hartmann	Yes - ISO/IEC 17025 Laboratory accredited to ISO/IEC 17025, "General requirements for the competence of testing and calibration laboratories."	N/A

III. DETAILS UPDATING

COUNTRY	LABORATORY(RIES) ANALYZING ROUTINE SAMPLES	HEAD OF RACING LABORATORY(RIES)	IS(ARE) LABORATORY(RIES) ACCREDITED? BY WHICH OFFICIAL BODY?	CHIEF VETERINARY OFFICER
USA	Iowa Racing Chemistry Veterinary Diagnostic Lab Iowa State University Aurora, IA 50011 Tel: 515-294-1950 Fax: 515-294-3182 Serves Iowa, New Mexico, Virginia	Mr. Al Kind	No	N/A
	Equine Medicaiton Surveillance Laboratory School of Veterinary Medicine Louisiana State University Baton Rouge, LA 70803 Tel: 225-388-3602 Fax: 225-388-3086 Serves Louisiana	Dr. Steven Barker	No	N/A
	Maine Health & Environmental Testing Lab 12 State House Station Augusta, ME 04333-0012 Tel: 207-287-2727 Fax: 207-287-6832 Serves Maine	Dr. Ed Collins	No	N/A
	Maryland Racing Commission Laboratory Godelsky Building 8075 Veterinary Science Drive #1 College Park, MD 20742 Tel: 301-434-4973 Fax: 301-935-6079 Serves Maryland	Dr. Richie Hickman	No	N/A
	Massachusetts State Racing Laboratory 305 South Street Room 355 Jamaica Plain, MA 02130 Tel: 617-522-9807 Fax: 617-727-3179 Serves Massachusetts	Mr. Bruce Aspeslagh	No	N/A
	New Jersey State Police Meadowlands Laboratory 50 Route 120 East Rutherford, NJ 07073 Tel: 201-460-4125 Fax: 201-935-2323 Serves New Jersey	Mr. Phil Lorimer	No	N/A

III. DETAILS UPDATING

COUNTRY	LABORATORY(RIES) ANALYZING ROUTINE SAMPLES	HEAD OF RACING LABORATORY(RIES)	IS(ARE) LABORATORY(RIES) ACCREDITED? BY WHICH OFFICIAL BODY?	CHIEF VETERINARY OFFICER
USA	Ohio State Racing Commission Laboratory Analytical Toxicology Lab 8995 E. Main Street Room 140 Reynoldsburg, OH 43068-3398 Tel: 614-466-2910 Fax: 614-292-4299 Serves Ohio		Yes - ISO 17025 Laboratory accredited to ISO/IEC 17025, "General requirements for the competence of testing and calibration laboratories."	N/A
	Pennsylvania Race Horse Testing Laboratory Chemistry Department West Chester, PA 19383 Tel: 610-436-3301 Fax: 610-436-3504 Serves Pennsylvania	Dr. Cornelius Uboh	Yes - ISO/IEC 17025 Laboratory accredited to ISO/IEC 17025, "General requirements for the competence of testing and calibration laboratories."	N/A
	Texas Veterinary Medical Diagnostic Laboratory Drawer 3040 College Station, TX 77841 Tel: 409-845-3414 Fax: 409-845-1794 Serves Texas		No	N/A
	Truesdail Laboratories 14201 Franklin Avenue Tustin, CA 92780 Tel: 714-730-6239 Fax: 714-730-6462 Serves Arkansas, Idaho, Indiana, Oklahoma, Oregon, Washington	Dr. Norman Hester	Yes - ISO/IEC 17025 Laboratory accredited to ISO/IEC 17025, "General requirements for the competence of testing and calibration laboratories."	N/A
	Ken Maddy Equine Analytical Lab University of California-Davis CAHFS, University of California Davis, CA 95616 Tel: 530-752-8735 Fax: 530-754-5588 Serves California	Dr. Scott Stanley	Yes - ISO/IEC 17025 Laboratory accredited to ISO/IEC 17025, "General requirements for the competence of testing and calibration laboratories."	N/A
	Uruguay	Beltran-Zunino, Juan Paullier 1070, CP 11200, Tel: (598) 24018277, Fax: (598) 24025156 Email: info@beltranzunino.com	Beltran Zunino: Ing. Quim. Laura Zunino & Lucia Beltran	
Ministry Sports & Tourism, 8 de Octubre 3362, CP 11600., Tel: (598) 24811054, Fax (598) 24841054 Email: cstanko@gmail.com		Ministry Sports & Tourism: Ing. Quim. Carola Stanko		jpgallero@hipicarioplatense.com José María Guerra 3540
Technologic Pole Pando, Cno Saravia s/n Pando, Canelones, Tel-Fax: (598) 22922021 Email: ale@fq.edu.uy		Technologic Pole Pando: Dra. Alejandra Rodríguez PhD		CP 12.000 Montevideo, Uruguay
Laboratorio Tecnológico del Uruguay, Av. Italia 6201 CP 11500, Tel- (598) 26013724		Laboratorio Tecnológico del Uruguay, Ing. Quim. Jacqueline Cea		
Soluciones GXP, Juan Zorilla de San Martín 233, CP 11300, Tel: (598) 27100499 Eleonora.scoseria@solucionesgxp.com	Soluciones GXP: Ing. Quim. Eleonora Scoseria			

ACCORDING TO RULES OF RACING

COUNTRY	IS THE B-SAMPLE ANALYSIS DONE SYSTEMATICALLY?	DOES TRAINER PAY COST OF B-SAMPLE ANALYSIS?	IS TRAINER INFORMED BEFORE THE B-SAMPLE ANALYSIS?	DOES TRAINER HAVE THE CHOICE OF THE LABORATORY ANALYZING THE B-SAMPLE?	CAN TRAINER NOMINATE AN EXPERT TO WITNESS THE B-SAMPLE ANALYSIS?	IS THE NOMINATED EXPERT AT TRAINER'S EXPENSE?	DO YOU USE DOMESTICALLY OTHER THRESHOLDS OTHER THAN THOSE LISTED IN ARTICLE 6 OF THE INTERNATIONAL AGREEMENT ON BREEDING, RACING & WAGERING?	IF YES, SPECIFY DETAILS
ARGENTINA	No	Yes	Yes	Yes	Yes	Yes	Yes	
AUSTRALIA	Yes	No	Yes	No	No	N/A	No	
AUSTRIA	No	Yes	Yes	Yes	Yes	Yes	No	
BAHRAIN	No	Yes	Yes	Yes	No	N/A	No	
BELGIUM	No	Yes	Yes	Yes	No	N/A	No	
BRAZIL	Yes	Yes	Yes	No	Yes	Yes	Yes	Furosemide is allowed 4 hours prior racing in a dose of 0,5 mg/kg, with a threshold of 60 ng/ml serum. This rule is applied only for horses above 3,5 years old, with EIPH confirmed by official veterinary previous endoscopy. For Group proves it is forbidden. From 414 animals there were collected both urine and blood samples for furosemide analysis.
CHILE	No	Yes	Yes	No	Yes	Yes	No	
CHINA(Hong Kong)	Yes	No	Yes	No	Yes	Yes	No	
CROATIA	Yes	Yes	Yes	No	Yes	Yes	Yes	
CYPRUS	Yes	No	Yes	No	Yes	Yes	No	
CZECH REPUBLIC	No	Yes	Yes	No	Yes	Yes	No	
DENMARK								
FRANCE	Yes	No	No	No	No	No	No	
GERMANY	Yes	Yes	Yes	Yes	Yes	Yes	No	
GREECE	Yes	No	No	No	No	No	No	
HUNGARY	No	Yes	Yes	Yes	Yes	Yes	Yes	
INDIA	Yes	Yes	Yes	Yes	Yes	Yes	No	
IRELAND	No	Yes	Yes	Yes	Yes	Yes	No	
ITALY								
JAPAN (JRA)	Yes	No	No	No	No	No	Yes	Threshold for Boldenone is 0.020 mg/ml. Estradiol is analysed based on the concentration ratio of 5 α -estrane-3 β ,17 α -diol to 5(10)-estren-3 β ,7 α -diol. For Theobromine we adopt zero-tolerance.
JAPAN (NAR)	Yes	No	No	No	No	No	Yes	
LEBANON								
MACAU	No	Yes	Yes	Yes	No	Yes	No	
MALAYSIA	Yes	Yes	Yes	Yes	No	No	No	
MAURITIUS	No	Yes	Yes	Yes	No	No	No	
MEXICO	Yes	No	No	Yes	Yes	Yes	Yes	
MOROCCO	No	Yes	Yes	Yes	Yes	Yes	No	
the NETHERLANDS	No	Yes	Yes	Yes	Yes	Yes	No	
NEW ZEALAND	No	Yes	Yes	Yes	Yes	Yes	No	
NORWAY	No	No	Yes	Yes	No		No	
PANAMA	No	Yes	No	Yes	No	No	Yes	
POLAND	No	Yes	Yes	Yes	No	No	No	
QATAR	Yes	Yes	Yes	Yes	No		No	
SAUDI ARABIA	No	Yes	Yes	Yes	Yes	No	Yes	
SERBIA	Yes	Yes	Yes	Yes	Yes	Yes	No	
SINGAPORE	No	Yes	Yes	Yes	No	N/A	No	
SLOVAKIA	No	Yes	Yes	Yes	Yes	Yes	No	
SOUTH AFRICA	No	Yes	Yes	Yes	No	N/A	No	
SPAIN	No	Yes	Yes	Yes	Yes	Yes	No	
SWEDEN	Yes	No	Yes	No	Yes	Yes	No	
SWITZERLAND	No	Yes	Yes	Yes	Yes	Yes	No	
TUNISIA	No	Yes	Yes	Yes	Yes	Yes	No	The analysis of the sample B is at the request of the owner or the trainer
TURKEY	Yes	No	No	No	Yes	No	No	
UNITED ARAB EMIRATES	Yes	No	Yes	Yes	No	N/A	No	
UNITED KINGDOM	No	Yes	Yes	Yes	Yes	Yes	No	
USA	No	Yes	Yes	Yes	No	N/A	Yes	Varies by state and drug
URUGUAY	No	Yes	Yes	No	Yes		No	