



## **2 0 1 1 REPORT ON PROHIBITED SUBSTANCES**

### ***RAPPORT 2011 SUR LES SUBSTANCES PROHIBEES***

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

Racing Medication & Testing Consortium  
821 Corporate Drive, Lexington, KY 40503, USA  
(859) 224-2844 - Direct Dial --- (859) 296-3033 - Fax  
<http://rmtcnet.com>

## I. RACING DAY SAMPLES

COUNTRY	TOTAL NUMBER OF RACES (flat & jumps)	TOTAL NUMBER OF HORSES SAMPLED	HORSES SAMPLED PRE-RACE	HORSES SAMPLED POST-RACE	TOTAL BOTH URINE & BLOOD SAMPLED	BOTH URINE & BLOOD SAMPLED PRE-RACE	BOTH URINE & BLOOD SAMPLED POST-RACE	TOTAL URINE ONLY SAMPLED	URINE ONLY SAMPLED PRE-RACE
Argentina	5,725	12,330		12,330	282		282	11,157	
Austria	55	42	20	22	42	20	22		
Belgium	131	85						76	
Brazil	1495*	2,600			468			2,132	
China (Hong Kong)	759	11,616	9,553	2,063	2,048		2,048	9,419	9,419
Cyprus	1,018	1,096		1,096				1,096	
Denmark	285	35		35				20	
France	7,183	11,389		11,389	10,089		10,089		
Germany	1,371	470			1			390	
Great Britain	94,786	7,619	91	7,619	1,024		1,024	5,118	
Ireland	2,397	2,527		2,527	23		23	1,867	
Italy	4,338	5,650						4,082	
Macau	554	1,274	133	1,108				904	
Malaysia	731	11,584	9,042	2,542	11,584	9,042	2,542		
Mexico		1,938			1,453			471	
Netherlands		190						65	
Poland	630	52		52				42	
Qatar	346	443	4	439	1			394	
Saudi Arabia	502 (flat)	1,144						1,023	
Singapore		14,393	10,919	3,474	3,356		3,356		
South Africa		4,596	232	4,364				4,133	
Spain	572	679			34			621	
Sweden	687	298		298				285	
Switzerland	218	136			16			24	
Tunisia	331	351						230	
Turkey	4,776	9,209	248	8,961				8,107	
UAE	334	1,482	916	566				535	
Uruguay	1,081	2,172		2,172				2,127	
USA	114,283	150,000	22,000	128,000	115,000	unspecified	115,000	8,000	unspecified
Venezuela	1,198	11,400			6,095			5,127	

## I. RACING DAY SAMPLES

COUNTRY	URINE ONLY SAMPLED POST-RACE	TOTAL BLOOD ONLY SAMPLED	BLOOD ONLY SAMPLED PRE-RACE	BLOOD ONLY SAMPLED POST-RACE	TOTAL NUMBER OF DECLARED POSITIVE CASES	DECLARED POSITIVES PRE-RACE	DECLARED POSITIVES POST-RACE	TOTAL DECLARED POSITIVE CASES ON URINE	DECLARED POSITIVE CASES ON URINE PRE-RACE	DECLARED POSITIVE CASES ON URINE POST-RACE	TOTAL DECLARED POSITIVE CASES ON BLOOD	DECLARED POSITIVE CASES ON BLOOD PRE-RACE
Argentina	11,157	761		761	141		141	139		139	2	
Austria		30	20	10	0							
Belgium		9			2			2				
Brazil					20			18			2	
China (Hong Kong)		149	134	15	3		3	2		2		
Cyprus	1,096				12		12	12		12		
Denmark	20	15		15	0							
France		1,300		1,300	26		26					
Germany		79			4			3			1	
Great Britain	5,118	1,553	91	1,463	14	1	13	13		13	1	1
Ireland	1,867	637		637	6		6	4		4	2	
Italy		1,568			44			41			3	
Macau	904	337	133	204	0							
Malaysia		9,042	9,042		6		6	6		6		
Mexico		14			51			47			2	
Netherlands		125			1							
Poland	42	10		10	0							
Qatar		48			6		6	5		5	1	
Saudi Arabia		121			17			15			2	
Singapore		11,037	10,919	118	10	2	8				2	2
South Africa	4,133	463	232	231	8			7			1	
Spain		24			4			4				
Sweden	285	13		13	2		2	2		2		
Switzerland		96			0							
Tunisia		121			3			2			1	
Turkey	8,107	1,102	248	851	45		45	43		43	2	
UAE	535	947	916	31	4		4	4		4		
Uruguay	2,127	45		45	17		17	17		17		
USA	8,000	27,000	22,000	5,000	1,048	No pre-race collection	1,154	Not specified	0 pre-race collection	Not specified	Not specified	Only TC02 is tested pre-race
Venezuela		968			10							

## I. RACING DAY SAMPLES

COUNTRY	DECLARED POSITIVE CASES ON BLOOD POST-RACE	TOTAL DECLARED POSITIVE CASES ON BOTH URINE & BLOOD	DECLARED POSITIVE CASES ON BOTH URINE & BLOOD PRE-RACE	DECLARED POSITIVE CASES ON BOTH URINE & BLOOD POST-RACE	SUBSTANCES DETECTED IN OTHER HORSE COMPETITIONS
Argentina	2				
Austria					
Belgium					
Brazil					*This data refers only to the number of races taken place in Cidade Jardim, at Jockey Club de Sao Paulo race track. The remaining competitions/events, which take place outside Jockey Club de Sao Paulo are out of acknowledgements. There were also 265 samples collected from jumping, dressage, endurance and events: 121 urine and 144 blood samples with 2 positive cases (mephentermine and meloxican). There were also 155 samples collected from horse shows: 150 urine and 5 blood samples with 4 positive cases (phenylbutazone plus oxyphenylbutazone, phenylbutazone, dexamethasone, caffeine plus theophylline).
China (Hong Kong)		1		1	NIL
Cyprus					
Denmark					
France					
Germany					
Great Britain					
Ireland	2				Acepromazine in urine (x1), dexamethasone and hydrochlorothiazide in urine (x1), furosemide in blood (x1).
Italy					
Macau					
Malaysia					
Mexico		2			
Netherlands					
Poland					
Qatar	1				
Saudi Arabia					
Singapore		8		8	
South Africa					
Spain					
Sweden					
Switzerland					
Tunisia					
Turkey	2				
UAE					
Uruguay					
USA	Not specified	1,154	Not specified	Not specified	
Venezuela		10			

I. RACING DAY SAMPLES			
PROHIBITED SUBSTANCES DETECTED	REACTION ENGENDERED	COUNTRIES OF DETECTION	TOTAL
2,5-Dihydroxybenzenesulfonate (component of etamsylate)	Hemostatic		
3-Hydroxylicocaine (metabolite of lidocaine)	Local Anesthetic		
6 alpha-methylprednisolone	Glucocorticoid, anti-inflammatory	ARG (2)	2
16 beta-idrossistanozolol	Anabolic	ITY (15)	15
Altrenogest	Progestogen		
Acenocoumarol	Anti-Coagulant, Vitamin K Antagonist	US (1)	1
Acepromazine	Tranquilizer	ARG (12), FRA (1), ITY (1), TUR (4), US (3)	21
Acepromazine, flunixin	Tranquilizer, Anti-Inflammatory, Analgesic	LEB (1)	1
Acetaminophen	Analgesic		
Acetophenazine	Antipsychotic		
Albuterol	Bronchodilator	US (4)	4
Ambroxol	Expectorant, Mucolytic	US (4)	4
Aminocaproic Acid	Hemostatic	US (2)	2
Amitriptylline	Tricyclic Anti-Depressant	GB (1)	1
Amphetamine	Stimulant	US (1)	1
Antipyrine	Antipyretic, Analgesic	CYP (1)	1
Atenolol	Beta-1 Receptor Antagonist	ITY (1), SAU (1)	2
Atropine	Anticholinergic		
Barbital	Hypnotic		
Benzocaine	Topical Anesthetic	ARG (1)	1
Benzonate	Topical anesthetic used to suppress cough	US (8)	8
Benzoylcegonine	CNS Stimulant	ITY (1)	1
Benzoylcegonine ecgonine methyl ester	CNS Stimulant	ITY (2)	2
Betamethasone	Glucocorticoid, Anti-Inflammatory	TUR (1), US (1)	2
Betamethasone, dexamethasone	Glucocorticoid, Anti-Inflammatory	GB (2)	2
Boldenone	Anabolic	SAU (2), US (21)	23
Boldenone Sulphate (metabolite of boldenone)	Anabolic	CYP (2)	2
Bromhexine	Expectorant, Mucolytic	ARG (1), ITY (1), US (1)	3
Bupivacaine	Local Anesthetic		
Buspirone	Anxiolytic		
Butazolidine, furosemide	NSAID, Diuretic	MEX (10)	10
Butorphanol	Analgesic, Antitussive	URU (2)	2
Butylscopolammonium	Anti-Spasmodic		
Butylscopolammonium bromide	Anti-Spasmodic	ARG (1)	1
BZEG (metabolite of cocaine)	Local Anesthetic		
Caffeine	Cardiac & Respiratory Stimulant	ARG (19), MEX (1), IRE (2), SAF (1), SAU (1), TUR (12), URU (9), US (18), VEN (1)	64
Caffeine nikethamide	Cardiac & Respiratory Stimulant		
Caffeine metabolites	Cardiac & Respiratory Stimulant		
Caffeine, cyproheptadine, paraxanthene, theophylline	Cardiac & Respiratory Stimulant; Antihistaminic, Antipruritic, Sedative; Vasodilator, Diuretic		
Caffeine, theobromine, theophylline	Cardiac & Respiratory Stimulant, Myocardial Stimulant, Vasodilator, Diuretic	TUN (1)	1
Caffeine, theophylline	Cardiac & Respiratory Stimulant, Vasodilator, Diuretic	BRZ (1)	1
Capsaicin	Topical Analgesic	NET (1)	1
Capsaicin, dihydrocapsaicin	Topical Analgesic		
Carbazochrome	Antihemorrhagic	SAU (1)	1
Carprofen	NSAID	US (12)	12
Celecoxib	NSAID	US (1)	1
Cetirizine	Anti-Histamine		
Chlorpropamide	Antidiabetic		
Chlorpheniramine	Antiallergic Agent, Antihistaminic	ARG (1)	1
Chlorpromazine	Antipsychotic	TUR (1)	1

PROHIBITED SUBSTANCES DETECTED	REACTION ENGENDERED	COUNTRIES OF DETECTION	TOTAL
Cimetidine	Anti-Ulcerative		
Clanobutin	Apetite Stimulant	SAU (1)	1
Clenbuterol	Bronchodilator	ARG (27), BRZ (8), MEX (32), LEB (2), SWE (1),US (69), VEN (1)	140
Clenbuterol, dembrexine	Bronchodilator, Expectorant, Mucolytic	GER (1), SIN (1)	2
Clenbuterol, formoterol, heptaminol, furosemide, phenylbutazone, mono-hydroxylated, stanozolol metabolite	Bronchodilator; Cardiotonic; Diuretic; Analgesic, Anti-Inflammatory; Anabolic Steroid		
Clonixin	Analgesic, Antipyretic, NSAID	ARG (3)	3
Cocaine	CNS Stimulant, Topical Anesthetic	ARG (6)	6
Codeine	Opioid Analgesic, Antitussive, Antidiarrheal		
Cortisone	Glucocorticoid, Anti-Inflammatory	US (1)	1
Cortivazol	Glucocorticoid	FRA (1)	1
Cromolyn	Mast cell stabilizer, anti-inflammatory, anti-asthmatic	US (1)	1
Cyproheptadine	Antihistaminic, Antipruritic, Sedative	ARG (1)	1
Dehydronorketamine, norketamine, ketamine	Local Anesthetic, Analgesic	HK (1)	1
Dembrexine	Expectorant, Mucolytic	SIN (1), TUR (1)	2
Dermorphin	Opioid peptide	US (41)	41
Dexamethasone	Glucocorticoid, Anti-Inflammatory	ARG (8), BRZ (6), FRA (1), GER (1), IRE (1), ITY (3), MAL(2), QAT (1), SAU (1), SWE (1), TUN (1), TUR (1), URU (2), US (18)	47
Dextromethorphan	Antitussive	US (3)	3
Dextropropoxyphene	Analgesic		
Detomidine	Sedative, Analgesic		
Diazepam	Anxiolytic, Sedative, Muscle Relaxant (skeletal)	ARG (1), LEB (2)	3
Diclofenac	Anti-Inflammatory	ARG (1), ITY (2), SAU (1), UAE (2),US (4) VEN (1)	11
Di-isopropylamine Dichloroacetate	Vasodilator	QAT (2)	2
Dimethyl Sulfoxide	Anti-Inflammatory, Analgesic	TUR (1), US (27)	28
Dimethylsulphone	Anti-inflammatory, analgesic	US (3)	3
Diphenhydramine	Anti-Histamine	ARG (1)	1
Dipyrrone	Analgesic, Antispasmodic	ARG (5), SAU (1), TUR (5)	11
Dyphylline	Bronchodilator	TUR (1)	1
Ephedrine	Sympathomimetic Agent, Bronchodilator	ARG (3), US (2)	5
Ergonovine	Reduces uterine bleeding after delivery		
Etamsylate	Hemostatic	FRA (1)	1
Ethacrynic Acid	Diuretic	ITY (1), US (3)	4
Ethanol	Psychoactive		
Ethanol Glucuronide	Psychoactive	FRA (2)	2
Ethylephedrine	Bronchodilator	TUR (1)	1
Etodolac	NSAID		
Etofylline	Bronchodilator		
Etoricoxib	COX-2 Selective Inhibitor	ITY (1)	1
Famotidine	Histamine H2-Receptor Antagonist, Anti-Ulcerative		
Firocoxib	Anti-Inflammatory	US (14)	14
Flumethasone	Corticosteroid, anti-inflammatory	US (1)	1
Flunixin	Anti-Inflammatory, Analgesic	ARG (6), CYP(1), FRA (1), IRE (1), ITY (1), SAU (1), SPA (1), TUN (1), TUR (1), US (206), VEN (1)	221
Flunixin Meglumine	Anti-Inflammatory, Analgesic	MEX (1)	1
Flunixin, pentazocine	Anti-Inflammatory, Analgesic		
Flumethasone	Glucocorticoid, Anti-Inflammatory	QAT (2)	2
Fluphenazine	Neuroleptic	US (2)	2
Formoterol	Bronchodilator	ARG (2)	2
Furosemide	Diuretic	CYP (2), IRE (1), UAE (2), US (129)	134
Ginsenoside RGL	Anti-inflammatory	SAU (1)	1

PROHIBITED SUBSTANCES DETECTED	REACTION ENGENDERED	COUNTRIES OF DETECTION	TOTAL
Glycopyrrolate	Anticholinergic	US (3)	3
Guaifenesin (also metabolite of methocarbamol)	Antitussive, Muscle Relaxant	ARG (2), US (1)	3
Guanabenz	Alpha 2-adrenergic receptor agonist, anti-hypertensive	US (1)	1
Halazepam	Anxiolytic, Anticonvulsant, Sedative, Skeletal Muscle Relaxant		
Heptaminol	Cardiotonic	FRA (1), ITY (1), TUR (4)	6
Heptaminol, diprophylline	Cardiotonic, Bronchodilator		
Hydrochlorothiazide	Diuretic	FRA (1), GB (1)	2
Hydrocortisone, hydrocortisone hemisuccinate	Glucocorticoid, Adrenal Cortex Hormone	US (1)	1
Hydromorphone	Opioid Analgesic		
Hydroxy Diphenhydramine	Antihistamine	FRA (1)	1
Hydroxy Lidocaine	Local Anesthetic	SAU (1)	1
Indomethacin	NSAID		
Ipratropium	Bronchodilator	FRA (1)	1
Isoflupredone	Corticosteroid, anti-inflammatory	US (3)	3
Isoxuprine	Vasodilator	ARG (1), US (1)	1
Ketamine	Anesthetic, Analgesic, Sedative	CYP (1)	1
Ketoprofen	Analgesic, Anti-Inflammatory	QAT (1), SAF (1), TUR (1), US (13)	16
Ketorolac	NSAID	US (6), VEN (4)	10
Labetalol	Alpha and Beta adrenergic agonist, anti-hypertensive	US (1)	1
Levamisole	Anthelmintic and immunomodulator	US (7)	7
Levorphanol, dextrophan	Opioid Analgesic, Psychoactive	GB (1)	1
Lidocaine	Local Anesthetic	ARG (5), SAU (2), TUR (1), URU (1), US (3)	12
Modafinil	Central nervous system stimulant	TUR (1)	1
Mefenamic Acid	NSAID	SIN (1)	1
Meloxicam	NSAID, analgesic	BRZ (1)	1
Menthol	Anesthetic	GER (1)	1
Mephentermine	Cardiac Stimulant	BRZ (2), US (2)	4
Mepivacaine	Local Anesthetic	US (1)	1
Meprobamate	Anxiolytic (Metabolite of Carisoprodol, a Skeletal Muscle Relaxant)		
Methamphetamine	CNS stimulant, psychotropic	US (1)	1
Methandriol	Anabolic Steroid, Androgen	SAF (1)	1
Methocarbamol	Muscle Relaxant (Skeletal)	ARG (7), TUR (6), US (56)	69
Methylprednisolone	Glucocorticoid, Anti-Inflammatory	FRA (1), GB (1), ITY (4), SPA (1), SAF (1), TUR(3), US (25)	36
Morphine	Analgesic (narcotic)	ARG (2), SPA (1), TUR (1), URU (2)	6
Nandrolone	Anabolic	ITY (2)	2
Naproxen	NSAID	US (9)	9
N-ethyl nicotinamide	Vitamin B3 B5 + C		
Naftidrofuryl	Spasmolytic		
Niketamide	Respiratory Stimulant, Analeptic	ARG (2)	2
Nimesulide (metabolite)	NSAID, Analgesic, Antipyretic	ITY (1)	1
Nordiazepam	Anxiolytic, Tranquilizer (minor), Metabolite of Diazepam		
Norephedrine (also metabolite of ephedrine)	Sympathomimetic Agent, Bronchodilator		
Norketamine	Anesthetic, Analgesic, Sedative	CYP (1)	1
Omeprazole	Gastric Secretory Inhibitor, Anti-Ulcerative	SIN (1), US (7)	8
Omeprazole, cemitidine	Gastric Secretory Inhibitor, Anti-Ulcerative	GER (1)	1
Omeprazole, hydroxyomeprazole	Gastric Secretory Inhibitor, Anti-Ulcerative	HK (1)	2
Orphenadrine	Antihistaminic, Muscle Relaxant (skeletal)	ARG (3), CYP (1), TUR (1), US (1)	6
Oxazepam (also metabolite of diazepam)	Tranquilizer (minor)	ARG (9), FRA (2)	11
Oxycodone	Opioid Analgesic		
Oxymetazoline	Topical Decongestant, Vasoconstrictor		
Oxymorphone	Opioid Analgesic		
Oxyphenbutazone (also metabolite of phenylbutazone)	Anti-Inflammatory, Analgesic	ARG (9), FRA (1), SPA (1), US (11)	22

PROHIBITED SUBSTANCES DETECTED	REACTION ENGENDERED	COUNTRIES OF DETECTION	TOTAL
Parahydroxyephedrine	Adrenergic	ARG (6)	6
Pemoline	CNS Stimulant	GB (1), US (7)	8
Phentermine	Anorexic, Stimulant		
Phenylbutazone	Analgesic, Anti-Inflammatory	ARG (5), BRZ (1), FRA (1), GB (3), IRE (1), ITY (1), URU (1), US (230)	243
Phenylbutazone, oxyphenbutazone	Analgesic, Anti-Inflammatory	BRZ (1), CYP (1), SAF (2)	4
Phenylbutazone, oxyphenbutazone, dexamethasone	Analgesic, Anti-Inflammatory; Glucocorticoid		
Phenylpropanolamine	Stimulant; metabolite of ephedrine	US (2)	2
Picrotoxin	Stimulant, Convulsant		
Polyethylene glycol	Ointment and Suppository Base	US (3)	3
Prednisolone	Glucocorticoid, Anti-Inflammatory	SAU (1), US (21)	22
Prednisolone, methylprednisolone	Glucocorticoid, Anti-Inflammatory	MEX (1)	1
Prednisone	Glucocorticoid, Anti-Inflammatory	US (22)	22
Probenecid	Uricosuric	FRA (1), SAF (1)	2
Procaine	Local Anesthetic	ARG (2), GB (1), SAF (1), SAU (1), US (3), VEN (1)	9
Procaine, promethazine	Local Anesthetic, Antihistamine	LEB (1)	1
Promazine	Neuroleptic, Tranquillizer	US (10)	10
Propranolol	Antispasmodic Agent, Gastric Inhibitor	US (1)	1
Propoxyphene metabolites	Analgesic (narcotic)		
Protopanaxatriol	Component of ginseng root; effects largely unknown	SAU (1)	1
Pyrilamine	Anti-Histaminic	US (6)	6
Ractopamine	Beta-2 Adrenoceptor Agonist, Growth Stimulant	MEX (1), US (10)	11
Ranitidine	Histamine H2-Receptor Antagonist, Anti-Ulcerative	GB (1), US (15)	16
Reserpine	Tranquillizer, Hypotensive	FRA (1)	1
Romifidine	Sedative, Analgesic	FRA (1)	1
Salbutamol, flunixin	B2-Adrenergic Receptor Agonist, Anti-Inflammatory, Analgesic	LEB (1), MAL(2)	3
Salicylic Acid (metabolite of aspirin)	Anti-Inflammatory	ITY (1), VEN (1)	2
Scopolamine	Muscarinic Antagonist	SIN (5)	5
Sildenafil	Vasodilator	ARG (1)	1
Snake venoms	Various, Cobratoxin is an Analgesic Substance		
Stanozolol	Anabolic Steroid	ITY (2), US (9)	11
Stanozolol metabolites	Anabolic Steroid		
Strychnine	Tonic, Central Stimulant	SAU (1)	1
Sulfasalazine	Analgesic, anti-inflammatory	US (1)	1
TCO2	Bicarbonate	GB (1)	1
Temazepam	Sedative, Hypnotic		
Terbutaline	Bronchodilator		
Testosterone	Androgen	ITY (1), MAL(1), SIN (1), US (8)	11
Tetramisole, pemoline	CNS Stimulant	GB (1)	1
Theobromine	Myocardial Stimulant, Weak Diuretic	ITY (1), US (5)	6
Theophylline	Cardiac Stimulant, Vasodilator, Diuretic	ARG (4), TUR (2), US (4)	10
Thioridazine	Neuroleptic	ARG (1)	1
Tramadol	Analgesic	US (3)	3
Tranexamic acid	Hemostatic	BEL (1), CYP (1)	2
Trenbolone	Anabolic	US (4)	4
Triamcinolone	Glucocorticoid, Anti-Inflammatory	FRA (1), US (23)	24
Triamcinolone acetonide	Glucocorticoid, Anti-Inflammatory		
Trichlormethiazide	Diuretic	US (2)	2
Tripelennamine	Anti-Histaminic		
Valerianic acid	Sedative	US (1)	1
Venlafaxine	Anxiolytic	US (1)	1
Verapamil	Anti-Arrhythmic Agent		
Xylazine	Sedative, Analgesic	MAL(1), US (2)	3



PROHIBITED SUBSTANCES DETECTED	REACTION ENGENDERED	COUNTRIES OF DETECTION	TOTAL
Yohimbine	Alpha 2-adrenergic receptor antagonist for xylazine and detomidine	US (1)	1
Zilpaterol	Beta-2 Adrenoceptor Agonist, Growth Stimulant	US (6)	6
Zuclopenthixol	Antipsychotic	BEL (1), FRA (1)	2
			1628

**I. RACING DAY SAMPLES**

<b>COUNTRY</b>	<b>TOTAL POSITIVE CASES</b>	<b>IS THE HORSE INVOLVED SYSTEMATICALLY DISQUALIFIED?</b>	<b>DO YOU APPLY SCREENING LIMITS FOR THERAPEUTIC SUBSTANCES?</b>	<b>DO YOU PUBLISH SCREENING LIMITS?</b>	<b>DO YOU PUBLISH DETECTION TIMES?</b>	<b>OBSERVATIONS/REMARKS</b>
Argentina	141	Yes	Yes	No	Yes (La Punta & San Isidro); No (Palermo)	
Austria	0	Yes	No	No	No	We just publish the wording out of the international agreement
Bahrain	0	Yes	No	No	No	
Belgium	2	Yes	Yes	No	No	
Brazil	20	Yes	No	No	No	
China (Hong Kong)	25	Yes	Yes	No	No	
Cyprus	12	Yes	No	No	No	
Denmark	0	Yes	Yes	No	Yes	
France	26	Yes	Yes	No	Yes	
Germany	8	Yes	Yes	No	Yes	
Great Britain	14	No on finding, Yes if confirmed and Disciplinary Panel finds for the Authority	Yes	No	Yes	ISLs for a number of substances are published on IFHA website
Ireland	6	Yes	Yes	No	Yes	
Italy	44	No	Yes	No	Yes	
Japan (JRA)	0	Yes	Yes	No	No	
Lebanon	7	Yes		No		
Macau	0	Yes	Yes	Yes	Yes	
Malaysia	6	Yes	Yes	No	No	Detection times are and withdrawal periods are available from the Official Veterinary Surgeons
Mexico	51	No	No	No	No	
Netherlands	1	Yes	No	No	No	
Poland	0	Yes	No	No	No	
Qatar	6					
Saudi Arabia	17	Yes	Yes	No	No	
Singapore	10	Yes	Yes	No	No	
South Africa	8	Yes	Yes	No	Yes	
Spain	4					
Sweden	2	Yes	Yes	No	Yes	We publish withdrawal times (detection times + safety margin)
Tunisia	3	Yes	Yes	Yes	No	
Turkey	45	Yes	Yes	Yes	No	
United Arab Emirates	4	Yes	Yes	Yes	No	
United States	1154	No	No, most jurisdictions apply thresholds	Varies by jurisdiction	Varies by jurisdiction	
Uruguay	17	Yes	No	No	No	
Venezuela	10	Yes	Yes	Yes	Yes	

**II. TESTING IN TRAINING**

COUNTRY	TOTAL NUMBER OF HORSES SAMPLED	BOTH URINE & BLOOD SAMPLED	URINE ONLY SAMPLED	BLOOD ONLY SAMPLED	TOTAL NUMBER OF DECLARED POSITIVE CASES	DECLARED POSITIVE CASES IN URINE	DECLARED POSITIVE CASES IN BLOOD	DECLARED POSITIVE CASES IN URINE & BLOOD	OBSERVATIONS/REMARKS
Argentina									We have no information to submit regarding antidoping lab tests during training because we only carry out these evaluations post-race.
Austria	4	4			0				
China (Hong Kong)	1699	61	659	979	25	16	1	8	These samples include those collected from racehorses newly arrived in Hong Kong. None of the positive findings involved confirmed unauthorized treatment.
France	842	720		122	4				
Germany	72		72		8	8			
Great Britain	746	3		743	0				
Ireland	76	5	26	45	0				
Italy	40			40	1		1		
Malaysia	8		8		1	1			
Spain	50	9		41	2		2		
South Africa	180								
USA									Out of competition testing is limited to non-therapeutic substances. At present, approximately 1/3 of the states perform some out of competition testing.
UAE	34		29	5	5	5			Testing in training results are from elective samples requested by the trainer and do not constitute positive findings.

12 Countries	3,747	798	794	1,975	46	30	4	8	
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II. TESTING IN TRAINING			
PROHIBITED SUBSTANCES DETECTED	REACTION ENGENDERED	COUNTRIES OF DETECTION	TOTAL
16 beta-idrossistanozolol	Anabolic	ITY (1)	1
Arsenic, dexamethasone, oxyphenbutazone, phenylbutazone	Glucocorticoid, Anti-Inflammatory, Analgesic	HK (1)	1
Betamethasone, hydroxyomeprazole, omeprazole, oxyphenbutzone, phenylbutazone	Glucocorticoid, Anti-Inflammatory, Analgesic, Gastric Secretory Inhibitor, Anti-Ulcerative	HK (1)	1
Boldenone	Anabolic	UAE (3)	3
Butorphanol, clenbuterol, hydroxydetomidine	Analgesic, Antitussive, Bronchodilator, Sedative	HK (1)	1
Butylscopolammonium	Anti-Spasmodic	GER (1)	1
Clenbuterol	Bronchodilator	HK (1)	1
Clenbuterol, dembrexine	Bronchodilator, Expectorant, Mucolytic	GER (1)	1
Dembrexine	Expectorant, Mucolytic	GER (1)	1
Dexamethasone	Glucocorticoid, Anti-Inflammatory	FRA (1), GER (1)	2
Dexamethasone, oxyphenbutazone, phenylbutazone	Glucocorticoid, Anti-Inflammatory, Analgesic	HK (1)	1
Diazepam	Anxiolytic, Sedative, Muscle Relaxant (skeletal)	HK (1)	1
Diazepam, nordazepam, temazepam	Anxiolytic, Sedative, Muscle Relaxant (skeletal)	HK (1)	1
Flumethasone	Glucocorticoid, Anti-Inflammatory	FRA (1)	1
Hydroxy Lidocaine	Local Anesthetic	FRA (1)	1
Hydroxyomeprazole, omeprazole	Gastric Secretory Inhibitor, Anti-Ulcerative	HK (3)	3
Hydroxyomeprazole, omeprazole, trometamol	Gastric Secretory Inhibitor, Anti-Ulcerative	HK (1)	1
Hydroxyxylazine	Sedative, Analgesic	HK (1)	1
Meloxicam, oxyphenbutazone, phenylbutazone	NSAID, Anti-Inflammatory, Analgesic	HK (1)	1
Methylprednisolone	Glucocorticoid, Anti-Inflammatory	HK (2)	2
Nandrolone	Anabolic	HK (1)	1
Oxyphenbutazone	Anti-Inflammatory, Analgesic	FRA (1)	1
Oxyphenbutazone, phenylbutazone	Anti-Inflammatory, Analgesic	HK (13)	13
Phenylbutazone	Anti-Inflammatory, Analgesic	FRA (1), SPA (1), UAE (1)	3
Procaine	Local Anesthetic	GER (2)	2
Promazine Hydroxymethyl	Tranquilizer	SPA (1)	1
Testosterone	Androgen	MAL (1), UAE (1)	1
Triamcinolone	Glucocorticoid, Anti-Inflammatory	FRA (1), GER (2)	3
Triamcinolone acetonide	Glucocorticoid, Anti-Inflammatory	HK (2)	2
Trometamol		HK (2)	2

Contacts				
COUNTRY	LABORATORY(RIES) ANALYZING ROUTINE SAMPLES	HEAD OF RACING LABORATORY(RIES)	IS(ARE) LABORATORY(RIES) ACCREDITED? BY WHICH OFFICIAL BODY?	CHIEF VETERINARY OFFICER
Argentina	San Isidro Racetrack Laboratory Hipodromo de San Isidro - Av. Bernabe Marquez 504 (1642) San Isidro - Buenos Aires  Tel:+54 11 4743 4011/9 int 1290 Fax:+54 11 4742 1357 Email: pporto@jockeyclub.com.ar	Dr. Patricia I. Porto	Yes, Argentine Accreditation Organization, which is ISO 17025, IRAM 301:2005	Dr. Andrés Alfredo Smetana Boulevard Las Canadas 9012 5710 La Punta - San Luis Tel: +54 11 (02652) 530805 Fax: +54 11 (02652) 530800 Email: andressmetana@hotmail.com
	Investigation and Doping Control Center Instituto Provincial de Loteria y Casinos Diagonal 113 y 62 La Plata - Buenos Aires Tel/Fax: +542214246990 Email: controldoping@loteria.gba.gov.ar	Dr. Luis Alberto Ogas		Dr. Raul Mazzone (La Plata Racetrack, Investigation and Doping Control Center) 44 y 115. La Plata. Buenos Aires Tel: +542214270919 Email: ramonlopez6@gmail.com
	Doping Control Laboratory Secretaría de Deporte - Secretaria de Deporte Cristologo Larralde 1050 CP 1429 CABA Tel: 005411-4704-1943 Fax: 005411-4703-1323 Email: labdoping@deportes.gov.ar	Dr. Hugo Osvaldo Rodriguez Papi	Nuestro laboratorio esta creado y acreditado por Ley nacional 24819/97 de " Lealtad u Juego Limpio en el Deporte	Dr. Ricardo Campodonico Avenida del Libertador 4101, Capital Federal Tel: 54 11 47782801  Dr. Theodoro Dash (San Isidro) Av. Bernabe Marquez 504 1642 San Isidro - Buenos Aires Tel: +54 11 4743 4011/9 Int 1278 Email: gerencia@jockeyclub.com.ar
Austria	LCH Paris 15, Rue de Paradis F-91370 Verrieres-le-Buisson	Dr. Yves Bonnaire		Dr. Isabella Copar Iglaseegasse 72 A-1190 Wien/Vienna Tel: + 43 1 369 53 48 Fax: + 43 1 369 53 47 Mobil: + 43 664 2264790 email: Isabella.copar@chello.at
Bahrain	Equine Forensic Unit Central Veterinary Research Laboratory P.O. Box 597 Dubai, UAE Tel: +9714 3366082 Fax: +9714 3349343 Email: peterfu@emirates.net.ae	Mr. Ali Redha	Yes - NATA	Dr. Ricardo Penso P.O. Box 25079 Kingdom of Bahrain Tel: +973 17440444 Fax: +973 17442777 Email: racing@batelco.com.bh
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 8520 Kuurne Belgium Email: d.v.n.@busmail.com
Brazil	Jockey Club de Sao Paulo Departamento de Controle e Pesquisas Antidopagem  Rua Bento Frias 248 CEP 05423-050 Sao Paulo, Sao Paulo, Brazil Tel: (55-11) 2161-8414 Fax: (55-11) 3814-0733  Email: antidopagem@jockeysp.com.br	Mirtes Eliete Vellertri de Souza CRF 5831, Coordenadora de Departamento	Works with ISO 17025 system but not accredited	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, Brazil  Tel: (55 11) 2161-8416 Fax: (55-11) 3814-0614 Email: antidopagemvet@jockeysp.com.br
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, Sha Tin, New Territories, Hong Kong, China Tel: +852-2966-6741 Fax: +852-2602-3305 Email: peter.curl@hkjc.org.hk
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 Veterinary Services, 1417 Nicosia, Cyprus Tel: 357 - 22805250 Fax: 357 - 22332803 Email: director@vs.moa.gov.cy
France	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  Email: y.bonnaire@lchfrance.fr	COFRAC ISO 17025	Dr. Paul-Marie Gadot - Head of Licensing Horses and Control Department France Galop 46 Place Abel Gance 92655 Boulogne Billancourt Cedex Tel: +33 1 49 10 23 25 Mob: +33 6 85 54 31 56 Fax: +33 1 49 10 21 55 Email: pmgadot@france-galop.com

COUNTRY	LABORATORY(RIES) ANALYZING ROUTINE SAMPLES	HEAD OF RACING LABORATORY(RIES)	IS(ARE) LABORATORY(RIES) ACCREDITED? BY WHICH OFFICIAL BODY?	CHIEF VETERINARY OFFICER
Germany	Prof. Dr. Wolfgang Schanzer Institut für Biochemie - Deutsche Sporthochschule Köln Am Sportpark Mungersdorf 6 50933 Köln Tel: 0049-221-4971313 Fax: 0049-221-4973236 Email: schanzer@biochem.dshs-koeln.de	Prof. Dr. Wolfgang Schanzer	WADA AORC ISO 17025.2005	Dr. Thomas Weinberger Burg Muggenhausen 53919 Weilerswist Tel: 0049-2254-96260 Fax: 0049-2254-962777 Email: burg.mueggenhausen@t-online.de
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	Steve Maynard Director of Sport HFL Sport Science Tel: +44 1638 724214 Email: Smaynard@hfl.co.uk	ISO 17025 Accredited by UKAS	For medication: Lynn Hillyer, Veterinary Advisor Department of Equine Science and Welfare British Horseracing Authority 75 High Holborn, London WC1V 6LS Mobile: 07764 769890 Dept: 020 7152 0090 Email: lhillyer@britishhorseracing.com BHA Contact for this Questionnaire: Professor Tim Morris Director of Equine Science and Welfare British Horseracing Authority 75 High Holborn, London, WC1V 6LS, UK
Ireland	BHP Laboratories, New Road, Thomondgate, Limerick, Ireland Tel: 00-353-61-455399  Fax: 00-353-61-455447 Email: colettehannan@bhp.ie	Dermot Purcell	Yes - ISO 17025, by INAB	Terry Smith, The Veterinary Clinic, 11-17 Castle Street, Rathfriland, Co. Down BT34 5QR  N. Ireland  Tel: 048 406 30385 Mob: 00 353 87 2185800 Email: terryjasmith@hotmail.co.uk
Italy	Unirelab srl Via Gramsci 70 (20019) Settimo Milanese MILANO Tel: +3902-33502133 Fax: +390233514200	Dott. Marco Fidani	Accreditation No. 0751 - ISO/IEC 17025:2005 - Certificate No. 16941 - ISO 9001:2008	Sveva Davanzo DVM phd Via Cristoforo Colombo 283/A 00147 ROMA Tel: 0039 335 6680721 Fax: 0039 06 51897456 Email: s.davanzo@unire.it
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. Hareo Kurita (President)	Yes - ISO/IEC 17025 by  The Japan Accreditation Board	Dr. Yu Nakanishi  Deputy General Manager of Equine Department Japan Racing Association 11-1 Roppongi 6-Chome Minato-ku, Tokyo 106- 8401 Japan Tel: +81-3-5785-7501 Fax: +81-3-5785-7526 Email: Yu_Nakanishi@jra.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 Email: sparca@cyberia.net.lb, 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 Email: sparca.leb@gmail.com
Macau	Racing Analytical Services 400 Ersom Road Flemington Australia 03 9376 6760 / 03 9376 6875	Dr. John Vine	NATA	Dr. Eugene S. Reynders +853 8397 7527 +853 2882 0032
Malaysia	Usains Biomics 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	Tan Soo Choon		Dr. Alistair Murdoch Perak Turf Club Jalan Raja di Hilir Ipoh 30350 Perak Malaysia 605 254 2237/9076 Fax: 605 253 1355 prtequinehosp@yahoo.com equinehospital@perakturfclub.my
Mexico	Diagnostico de Salud Animal, S.A.  Av. Damian Carmona #6, Lomas Hipodromo, Naucalpan, Edo. De Mexico, Mexico C.P. 53900 Tel: (0155) 5589-5663, 5589-2786, 5589-7560, Mob: (04455) 1333-8988		EMA SA-089-008105  DSA-SF-CAL-024.1	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, Delegacion Miguel Hidalgo, Distrito Federal, Mexico.  Tel: (0155) 5080-4102, 5080-4103, 5080-4104
	Truesdail Laboratories, Inc. 14201 Franklin Avenue, Tustin, CA 92780-7008 Tel: (714) 730-6239 Fax: (714) 730-6462		ACLASS Accredited Testing AT-1408 ISO/IEC 17025	
	LCH 15, Rue de Paradis	Dr. Yves Bonnaire	COFRAC	C.W. Mellegers Postbus 60

COUNTRY	LABORATORY(RIES) ANALYZING ROUTINE SAMPLES	HEAD OF RACING LABORATORY(RIES)	IS(ARE) LABORATORY(RIES) ACCREDITED? BY WHICH OFFICIAL BODY?	CHIEF VETERINARY OFFICER
Netherlands	91370 Verrieres le Buisson France			2240 AB Wassenaar Pays Bas Tel: +31-703047142 Mob: +31-622448772 Email: mellegers@ndr.nl

COUNTRY	LABORATORY(RIES) ANALYZING ROUTINE SAMPLES	HEAD OF RACING LABORATORY(RIES)	IS(ARE) LABORATORY(RIES) ACCREDITED? BY WHICH OFFICIAL BODY?	CHIEF VETERINARY OFFICER
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 - COFRAC	Ms. Anna Szkutnik MDV ul. Slominskiego 33 77-130 Lipnica Poland Mob: +48 (0) 796 672 727 Email: szkutnik.anna@gmail.com
Qatar	Laboratoire des Courses Hippiques 15 Rue de Paradis 91370 Verrieres le Buisson, France Tel: 0033 1 69 75 28 28 Fax: 0033 1 69 75 28 29 Email: lch_contact@yahoo.fr	Dr. Yves Bonnaire		Dr. Thiago Luz Racing and Equestrian Club P.O. Box 7559 Doha, Qatar Tel: 00974 33 85 21 32 Email: thiluz@hotmail.com
	Mauritius Turf Club Laboratory Champ de Mars Port Louis Mauritius Tel: 00230 72 77 233 Fax: 00230 211 57 40	Dr. Bertrand Baudot		
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@nhralaboratory.co.za	Dr. Schalk de Kock	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 Email: dpwvet@nhra.co.za
Spain	IMIM Hospital del Mar. C/Doctor Aiguader, 88. Barcelona 08003 Tel: +34 933 160 450 Fax: +34 933 160 499 Email: mgsipert@imim.es	IMIM: Dr. Yves Bonnaire LCH: Mercedes De Gispert	ISO/IEC 17025	Manuel Rodriguez Sanchez Tel: +34 639 672 567 Email: manuel_rodriguez@vet.ucm.es
Sweden	National Veterinary Institute SE-751 89 Uppsala Sweden Tel: +46 18 67 40 00 Fax: +46 18 67 40 99	Professor Ulf Bonnessone Email: ulf.bonnessone@sva.se Ass. Prof. Mikael Hedeland Email: mikael.hedeland@sva.se	Yes - SWEDAC (Swedish Board for Accreditation and Conformity Assessment)	CVO Peter Forssberg Email: peter.forssberg@travsport.se Tel: +46 8 627 20 00 Fax: +46 8 29 34 07
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 Jean-Pierre Kratzer Les Longs-Pres CH-1580 Avenches Tel: +41 26 676 76 20 Fax: +41 26 676 76 29 Email: 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 29	Dr. Yves Bonnaire		Dr. Landolsi Faouzi Tel: 0021671653297
Turkey	Etilik Central Veterinary Control and Research Institute Ahmet Sefik Kolayli Cad. No: 23 06020 Etilik - Ankara/Turkey  Tel: +90 312 326 00 90 Fax: +90 312 321 17 55 Email: ehh.o@tr.net and/or etlik@vet.gov.tr	Mr. Kadir KAYA Director	Yes, by Turkish Accreditation Agency TSEN ISO/IEC 17025	Prof. Dr. Irfan EROL Ministry of Food, Agriculture and Livestock General Directorate of Food and Control  Eskisehir Yolu 9. Km Lodumlu - Ankara/Turkey Tel: +90 312 258 76 10 Fax: +90 312 258 76 93 Email: irfan.erol@tarim.gov.tr
UAE	Equine Forensic Unit Central Veterinary Research Laboratory PO Box 597 Dubai UAE Tel: +971 4 336 6082 Fax: +971 4 334 9343	Peter Albert peterefu@emirates.net.ae	NATA accredited laboratory	David Sykes Emirates Racing Authority PO Box 9452 Dubai UAE Tel: +971501891448 Fax: +97143168513



COUNTRY	LABORATORY(RIES) ANALYZING ROUTINE SAMPLES	HEAD OF RACING LABORATORY(RIES)	IS(ARE) LABORATORY(RIES) ACCREDITED? BY WHICH OFFICIAL BODY?	CHIEF VETERINARY OFFICER
U N I T E D  S T A T E S  O F  A M E R I C A	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	Ms. Jeanne Mahoney	Yes - ISO/IEC 17025 Laboratory accredited to ISO/IEC 17025. "General requirements for the competence of testing and calibration laboratories."	N/A
	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	Dr. George Maylin	No	N/A
	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
	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 Medication 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	

COUNTRY	LABORATORY(RIES) ANALYZING ROUTINE SAMPLES	HEAD OF RACING LABORATORY(RIES)	IS(ARE) LABORATORY(RIES) ACCREDITED? BY WHICH OFFICIAL BODY?	CHIEF VETERINARY OFFICER
U N I T E D  S T A T E  O F  A M E R I C 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
	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	Ing. Quim. Laura Zunino & Lucia Beltran		Jose Cesar Gallero Quadros Tel: (598) 25117777-602 Fax: (598) 25117777-600
	Ministry Sports & Tourism, 8 de Octubre 3362, CP 11600 Tel: (598) 24811054 Fax: (598) 24841054 Email: cstanko@gmail.com	Ing. Quim. Carola Stanko		Email: jgallero@hru.com.uy
	Technologic Pole Pando, Cno Saravia s/n Pando, Canelones Tel/Fax: (598) 22922021 Email: ale@fq.edu.uy	Dra. Alejandra Rodríguez PhD		Jose Maria Guerra 3540 CP 12000 Montevideo, Uruguay
	Soluciones GXP, Juan Zorilla de San Martin 233, CP 11300 Tel: (598) 27100499 Email: eleonora.scoseria@solucionesqxp.com	Ing. Quim. Eleonora Scoseria		
Venezuela	Hipodromo La Rinconada Laboratorio De Toxicologia Coche, Caracas, Zona Postal 1090 Caracas, Venezuela			Direccion De Los Servicios Veterinarios Hipodromo La Rinconada Tel: 58 212 6811922 Fax: 58 212 6813451

**ACCORDING TO RULES OF RACING**

<b>COUNTRY</b>	<b>IS THE B-SAMPLE ANALYSIS DONE SYSTEMATICALLY?</b>	<b>DOES TRAINER PAY COST OF B-SAMPLE ANALYSIS?</b>	<b>IS TRAINER INFORMED BEFORE THE B-SAMPLE ANALYSIS?</b>	<b>DOES TRAINER HAVE THE CHOICE OF THE LABORATORY ANALYZING THE B-SAMPLE?</b>	<b>CAN TRAINER NOMINATE AN EXPERT TO WITNESS THE B-SAMPLE ANALYSIS?</b>	<b>IS THE NOMINATED EXPERT AT TRAINER'S EXPENSE?</b>	<b>USE DOMESTICALLY OTHER THRESHOLDS OTHER THAN THOSE LISTED IN ARTICLE 6 OF THE INTERNATIONAL AGREEMENT ON BREEDING, RACING &amp; WAGERING?</b>	<b>IF YES, SPECIFY DETAILS</b>
Argentina	No (Hipodromo, La Plata, La Punta); Yes (Palermo)	Yes (Hipodromo, La Plata, La Punta); No (Palermo)	No (La Plata); Yes (Hipodromo, La Punta, Palermo)	Yes (all tracks)	Yes (all tracks)	No (Hipodromo, La Punta); Yes (La Plata, Palermo)	Yes (all tracks)	Only furosemide is authorized for horses younger than 4 years old and for Group I, II and III races
Bahrain	No	Yes	Yes	Yes	No		No	
Belgium	No	Yes, if positive	Yes	Yes	No		No	
Brazil	Yes	Yes	Yes	No	Yes	Yes	Yes	Following a rule approved by Ministry of Agriculture, furosemide is allowed 4 hours prior to racing in a dose of 0.5 mg/kg with a threshold of 60 ng/ml serum (from 444 animals there were collected both urine and blood samples for furosemide analysis).
China (Hong Kong)	Yes	No	Yes	No	Yes (Subject to consent of B-sample lab)	Yes	No	
Cyprus	Yes	No	Yes	No	Yes	Yes	No	
France	Yes	No	No	No	No	No	No	
Germany	Yes	Yes	Yes	Yes	Yes	Yes	No	
Great Britain	Yes, the B-Sample will be analyzed systematically/automatically unless the trainer or owner accepts the analysis of the A sample by informing the Authority within 3 working days that either does not wish the B sample to be analyzed	No, unless at inquiry the Disciplinary Panel order that a contribution to costs is made if it is satisfied that the result of the A sample should have been accepted having regard to the knowledge of and information available to the trainer and/or owner concerned at the time	Yes, the trainer will be contacted ASAP depending on the priority of the case and within 3 days from date they are on notice of the positive finding they can accept the A sample or proceed to B sample Analysis	No	Yes	Yes	Yes	Horsereading and greyhound racing testing process also conforms to the Accreditation Requirements and Operating Criteria for Horsereading Laboratories published by the International Laboratory Cooperation, publication code ILAC-G7:1996
Ireland	No	Yes	Yes	Yes	Yes	Yes	No	
Italy	Yes	No	Yes	No	Yes	Yes	Yes	Only for TCO2 we have the thresholds at 37

Japan (JRA)								Estranediol (Nandrolone) is analyzed based both on the concentration thresholds and the concentration ratio of estranediol to estrenediol, as was previously specified in Article 6 of the International Agreement on Breeding, Racing and Wagering. Threshold for Boldenone in urine from male horses will be effective from July 1, 2012.
Lebanon	Yes	Yes	No	No	No	No	No	
Macau	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Malaysia	Yes	Yes	Yes	Yes	No	No	No	
Netherlands	Yes	No	No	No	No	No	No	
Poland	No	Yes	Yes	Yes	No	No	No	
Saudi Arabia	No	Yes	Yes	Yes	No	No	No	
Singapore	No	Yes	Yes	Yes	No	N/A	No	
South Africa	No	Yes	Yes	Yes	No	N/A	No	
Sweden	Yes	No	Yes	No	No		No	
Switzerland	No	Yes	Yes	Yes	Yes	Yes	No	
Tunisia	No	Yes	Yes	Yes	No	Yes	No	
Turkey	Yes	No	No	No	Yes	No	No	
UAE	Yes	No	Yes	Yes	Yes	Yes	No	The trainer has the choice of proceeding with the B sample at an independent laboratory or not. B sample analysis is done at 1 of 2 accredited laboratories i.e. Hong Kong or Singapore, which the trainer can select. Granted permission by both the racing authority and the testing laboratory, an authorized expert witness may attend the B sample analysis.
Uruguay	No	Yes	Yes	No	Yes	Yes	No	
USA	No	Yes	Yes	Yes	No	N/A	Yes	Varies by state and by drug