



## 2012 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



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## 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	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
Argentina	5,485	11,063		11,063	99		99	10,119		10,119	845		845	115		115
Australia	18,651	38,871	10,027	28,844				16,742		16,742	22,129	10,027	12,102	62	2	60
Austria	47	18		18	15		15				3		3	0		
Belgium	180	150	1	149	81	1	80	52		52	17		17	4	1	3
Brazil	1,505	2,690	613	2,077	478		478	2,014	418	1,596	195	195		27		27
Chile	3,202	4,608		4,608				4,122		4,122	486		486	6		6
China (Hong Kong)	769	11,757	9,664	2,093	2,082	0	2,092	9,513	9,513	0	162	151	11	0		
Croatia	0															
Cyprus	1,024	1,087		1,087				1,087		1,087				8		8
Czech Republic		49	0	49	0	0	0	25	0	25	24	0	24	0	0	0
Denmark	276	35						22			13			0		
France	7,290	12,048			10,602			37			1,409			27	2	25
Germany	1,339	477			4			391			82			2		
Greece	832	948		948				948		948				3		3
India		2,243	16	2,227				2,035	16	2,019	208		208	14		14
Ireland	2,516	2,701	0	2,701	8	0	8	1,964	0	1,964	729	0	729	1	0	1
Italy	3,283	4,220		4,220				2,947		2,947	1,273		1,273	45		45
Lebanon	371	385				0		317			68			2		
Macau	498	1,291	242	1,049				845		845	446	242	204	2		2
Malaysia	737	11,772	9,214	2,558	2,518		2,518				9,254	9,214	40	13		13
Mauritius		3,177	2,851	326	326		326				2,851	2,851		7		7
Mexico		1,843			1,394			438			11			22		0
the Netherlands		204						91			113			3		
New Zealand		4,471	1,203	3,268	0	0	0	2,618	0	2,618	1,853	1,203	650	0	0	0
Panama	1,520	1,640						1,503			137			4		
Qatar	419	530		530	1		1	492		492	37		37	2		2
Saudi Arabia	607	1,388						1,130			258			10		
Serbia	24	27		27	0			25		25	2		2	1		1
Singapore		14,399	11,071	3,328	3,257		3,257	0			11,142	11,071	71	4	2	2
Slovakia	142	20		20				8		8	12		12			
South Africa								4,080		4,080	230		230	7		7
Spain	469	601		601	44		44	535		535	22		22	9		9
Sweden	694	295			0			287			8			0		
Switzerland	198	134			21			11			102			0		
Tunisia	415	459						297			162			6		
Turkey	4,395	10,333	197	10,136				9,172		9,172	1,161	197	964	42		42
United Kingdom			202	8,266	523		523	6,364		6,364		202	1,379	13		
USA	114,283	150,000	22,000	128,000	115,000	0	115,000	8,000	0	8,000	27,000	22,000	5,000	1,048		
Uruguay	1,137	2,216		2,216				2,190		2,190	26		26	16		16

## RACING DAY SAMPLES

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Australia	18,651	38,871	10,027	28,844				16,742		16,742	22,129	10,027	12,102	62	2	60
Austria	47	18		18	15		15				3		3	0		
Belgium	180	150	1	149	81	1	80	52		52	17		17	4	1	3
Brazil	1,505	2,690	613	2,077	478		478	2,014	418	1,596	195	195		27		27
Chile	3,202	4,608		4,608				4,122		4,122	486		486	6		6
China (Hong Kong)	769	11,757	9,664	2,093	2,082	0	2,092	9,513	9,513	0	162	151	11	0		
Croatia	0															
Cyprus	1,024	1,087		1,087				1,087		1,087				8		8
Czech Republic		49	0	49	0	0	0	25	0	25	24	0	24	0	0	0
Denmark	276	35						22			13			0		
France	7,290	12,048			10,602			37			1,409			27	2	25
Germany	1,339	477			4			391			82			2		
Greece	832	948		948				948		948				3		3
India		2,243	16	2,227				2,035	16	2,019	208		208	14		14
Ireland	2,516	2,701	0	2,701	8	0	8	1,964	0	1,964	729	0	729	1	0	1
Italy	3,283	4,220		4,220				2,947		2,947	1,273		1,273	45		45
Lebanon	371	385				0		317			68			2		
Macau	498	1,291	242	1,049				845		845	446	242	204	2		2
Malaysia	737	11,772	9,214	2,558	2,518		2,518				9,254	9,214	40	13		13
Mauritius		3,177	2,851	326	326		326				2,851	2,851		7		7
Mexico		1,843			1,394			438			11			22		0
the Netherlands		204						91			113			3		
New Zealand		4,471	1,203	3,268	0	0	0	2,618	0	2,618	1,853	1,203	650	0	0	0
Panama	1,520	1,640						1,503			137			4		
Qatar	419	530		530	1		1	492		492	37		37	2		2
Saudi Arabia	607	1,388						1,130			258			10		
Serbia	24	27		27	0			25		25	2		2	1		1
Singapore		14,399	11,071	3,328	3,257		3,257	0			11,142	11,071	71	4	2	2
Slovakia	142	20		20				8		8	12		12			
South Africa								4,080		4,080	230		230	7		7
Spain	469	601		601	44		44	535		535	22		22	9		9
Sweden	694	295			0			287			8			0		
Switzerland	198	134			21			11			102			0		
Tunisia	415	459						297			162			6		
Turkey	4,395	10,333	197	10,136				9,172		9,172	1,161	197	964	42		42
United Kingdom			202	8,266	523		523	6,364		6,364		202	1,379	13		
USA	114,283	150,000	22,000	128,000	115,000	0	115,000	8,000	0	8,000	27,000	22,000	5,000	1,048		
Uruguay	1,137	2,216		2,216				2,190		2,190	26		26	16		16

RACING DAY SAMPLES - PROHIBITED SUBSTANCES DETECTED

PROHIBITED SUBSTANCES DETECTED	REACTION ENGENDERED	COUNTRIES OF DETECTION	TOTAL
2,5-Dihydroxybenzenesulfonate (component of etamsylate)	Hemostatic		
3-Hydroxylidocaine (metabolite of lidocaine)	Local Anesthetic	IND(1)	1
3-methoxytyramine		AUSL(2)	2
4-(Dimethylamino)-antipyrine	Analgesic	US(1)	1
4-Aminoantipyrine	Analgesic	US(1)	1
4-Methylamino Phenazone		IND(1)	1
5-Alpha-estrane 3-beta 17-Alpha-diol and nandrolone		IND(2), MAU(2)	4
6 alpha-methylprednisolone		ARG(2)	2
9-carboxy-11-nor-delta-9-TCH	Active principle of marijuana	US(2)	2
16 beta-idrossistanozolol	Anabolic	ITA(1)	1
Altrenogest	Progestogen	FRA(2)	2
Acenocoumarol	Anti-Coagulant, Vitamin K Antagonist		
Acepromazine	Tranquilizer	ARG(10), FRA(2), LEB(1), US(2)	15
Acepromazine, flunixin	Tranquilizer, Anti-Inflammatory, Analgesic		
Acetaminophen	Analgesic	TUR(2)	2
Acetophenazine	Antipsychotic		
Albuterol	Bronchodilator	US(1)	1
Ambroxol	mucoytic agent	SOA(1), US(10)	11
Aminocaproic Acid	Hemostatic	ARG(2)	2
Aminorex	Stimulant	US(1)	1
Amitriptylline	Tricyclic Anti-Depressant	TUR(1)	1
Amphetamine	Stimulant		
Antipyrine	Antipyretic, Analgesic		
Atenolol	Beta-1 Receptor Antagonist	ARG(9), ITA(1), MAC(1), UK(2)	13
Atenolol and Diclofenac	Beta-1 Receptor Antagonist, anti-inflammatory	IND(2)	2
Atropine	Anticholinergic	ARG(1)	1
Barbital	Hypnotic		
BEG		US(1)	1
Benzocaine	Topical Anesthetic		
Benzoylecgonine	CNS Stimulant		
Benzoylecgonine ecgonine methyl ester	CNS Stimulant		
Betamethasone	Glucocorticoid, Anti-Inflammatory	ITA(1), UK(1), US(1)	3
Betamethasone, dexamethasone	Glucocorticoid, Anti-Inflammatory		
Boldenone	Anabolic	BRA(1), SAU(1), SIN(1), US(5)	8
Boldenone Sulphate (metabolite of boldenone)	Anabolic	UK(1)	1
Bromhexine	Expectorant, Mucoytic	US(5)	5
Bupivacaine	Local Anesthetic		
Buspirone	Anxiolytic		
Butazolidine, furosemide	NSAID, Diuretic	MEX(9)	9
Butorphanol	Analgesic, Antitussive	URU(1)	1

RACING DAY SAMPLES - PROHIBITED SUBSTANCES DETECTED

PROHIBITED SUBSTANCES DETECTED	REACTION ENGENDERED	COUNTRIES OF DETECTION	TOTAL
Butylscopolamine		ARG(2)	2
Butylscopolammonium	Anti-Spasmodic		
Butylscopolammonium bromide	Anti-Spasmodic		
BZEG (metabolite of cocaine)	Local Anesthetic		
Caffeine	Cardiac & Respiratory Stimulant	ARG(22), BRA(1), CHILE(1), MAL(3), PAN(1), TUN(2), TUR(10), URU(10), US(1)	51
Caffeine, Mephentermine		BRA(1)	1
Caffeine nikethamide	Cardiac & Respiratory Stimulant		
Caffeine metabolites	Cardiac & Respiratory Stimulant		
Caffeine, Clenbuterol, Firocoxib		BRA(1)	1
Caffeine, cyproheptadine, paraxanthene, theophylline	Cardiac & Respiratory Stimulant; Antihistaminic, Antipruritic, Sedative; Vasodilator, Diuretic		
Caffeine, theobromine, theophylline	Cardiac & Respiratory Stimulant, Myocardial Stimulant, Vasodilator, Diuretic	IND(1), IRE(1), ITA(1)	3
Caffeine, theophylline	Cardiac & Respiratory Stimulant, Vasodilator, Diuretic	ITA(1)	1
Capsaicin	Topical Analgesic	BEL(1),IND(1), TUN(1), US(1)	4
Capsaicin, dihydrocapsaicin	Topical Analgesic		
Carbazochrome	Antihemorrhagic	US(5)	5
Cetirizine	Anti-Histamine		
Chlorpropamide	Antidiabetic		
Chlorpheniramine	Antiallergic Agent, Antihistaminic		
Chlorpromazine	Antipsychotic		
Chlorothiazide		SAU(1)	1
Cimetidine	Anti-Ulcerative	GER(1)	1
Clanobutin	Apetite Stimulant		
Clenbuterol	Bronchodilator	ARG(13),LEB(1),MEX(8),QAT(1),SAU(1), US(28)	52
Clenbuterol, dembrexine	Bronchodilator, Expectorant, Mucolytic		
Clenbuterol, Firocoxib, Ketoprofen		BRA(1)	1
Clenbuterol, formoterol, heptaminol, furosemide, phenylbutazone, mono-hydroxylated, stanozolol metabolite	Bronchodilator; Cardiotonic; Diuretic; Analgesic, Anti-Inflammatory; Anabolic Steroid		
Clonixin	Analgesic, Antipyretic, NSAID		
Cocaine	CNS Stimulant, Topical Anesthetic	ARG(3)	3
Codeine	Opioid Analgesic, Antitussive, Antidiarrheal		
Cortivazol	Glucocorticoid	FRA(1)	1
Cyproheptadine	Antihistaminic, Antipruritic, Sedative	ARG(1)	1
Dehydronorketamine, norketamine, ketamine	Local Anesthetic, Analgesic		
Dembrexine	Expectorant, Mucolytic	QAT(1)	1
Dexamethasone	Glucocorticoid, Anti-Inflammatory	ARG(7), AUSL(2) BEL(2), BRA(5) CYP(1), FRA(3), ITA(4), MAL(3), SAU(1), SOA(1), TUN(1), US(2)	32
Dexamethasone, diclofenac	Glucocorticoid, Anti-Inflammatory	ITA(1)	1
Dextromethorphan	Antitussive	US(5)	5
Dextropropoxyphene	Analgesic	ARG(1)	1
Detomidine	Sedative, Analgesic		
Diazepam	Anxiolytic, Sedative, Muscle Relaxant (skeletal)		
Diclofenac	Anti-Inflammatory	ARG(1),BRA(1),IND(1), ITA(3), MAU(1), URU(1), US(2)	10

RACING DAY SAMPLES - PROHIBITED SUBSTANCES DETECTED

PROHIBITED SUBSTANCES DETECTED	REACTION ENGENDERED	COUNTRIES OF DETECTION	TOTAL
Di-isopropylamine Dichloroacetate	Vasodilator	MAC(2)	2
Dimethyl Sulfoxide	Anti-Inflammatory, Analgesic	ITA(1), US(3)	4
Diphenhydramine	Anti-Histamine		
Dipyron	Analgesic, Antispasmodic	ARG(7)FRA(1), TUR(2)	10
Dyphylline	Bronchodilator		
Ephedrine	Sympathomimetic Agent, Bronchodilator	ARG(5), US(1)	6
Ephedrine, phenylpropanolamine, pseudoephedrine		ITA(1)	1
Ergonovine	Reduces uterine bleeding after delivery		
Etamsylate	Hemostatic		
Ethacrynic Acid	Diuretic	AUSL(2)	2
Ethanol	Psychoactive		
Ethanol Glucuronide	Psychoactive	FRA(1)	1
Ethylephedrine	Bronchodilator		
Etilefrine		BRA(1)	1
Etodolac	NSAID		
Etofylline	Bronchodilator	IND(2)	2
Etoricoxib	COX-2 Selective Inhibitor		
Famotidine	Histamine H2-Receptor Antagonist, Anti-Ulcerative		
Fentanyl	analgesic, tranquilizer, general anesthetic	ARG(1)	1
Firocoxib	Anti-Inflammatory	US(8)	8
Flunixin	Anti-Inflammatory, Analgesic	ARG(3), BRA(2), FRA(1), ITA(3), NET(1), SAU(1), SER(1), UK(1), URU(1), US(47)	61
Flunixin Meglumine	Anti-Inflammatory, Analgesic	MEX(1)	1
Flunixin, pentazocine	Anti-Inflammatory, Analgesic		
Flumethasone	Glucocorticoid, Anti-Inflammatory	FRA(1), SOA(1), US(2)	4
Fluphenazine	Neuroleptic	US(3)	3
Formoterol	Bronchodilator		
Furosemide	Diuretic	AUSL(3), NET(1), US(10)	14
Ginsenoside RGL			
Glaucine	Anti-inflammatory, Bronchodilatory	US(7)	7
Glycopyrrolate	Anticholinergic	US(1)	1
Guaifenesin (also metabolite of methocarbamol)	Antitussive, Muscle Relaxant	ARG(1), US (3)	4
Guanabenz	Antihypertensive	US(1)	1
Halazepam	Anxiolytic, Anticonvulsant, Sedative, Skeletal Muscle Relaxant		
HEPS	Tranquilizer	US(9)	9
Heptaminol	Cardiotonic	ARG(1), AUSL(2)), FRA(1), ITA(1), TUR(1)	6
Heptaminol, diprophylline	Cardiotonic, Bronchodilator		
Hydrochlorothiazide	Diuretic	MAC(1)	1
Hydrocortisone, hydrocortisone hemisuccinate	Glucocorticoid, Adrenal Cortex Hormone	AUSL(2), US(3)	5
Hydromorphone	Opioid Analgesic		
Hydroxy Aminorex	Stimulant	US(1)	1

RACING DAY SAMPLES - PROHIBITED SUBSTANCES DETECTED

PROHIBITED SUBSTANCES DETECTED	REACTION ENGENDERED	COUNTRIES OF DETECTION	TOTAL
Hydroxy Diphenhydramine	Antihistamine		
Hydroxy Lidocaine	Local Anesthetic	FRA(2), SAU(1), US(1)	4
Hydroxy Phenytoin	Anticonvulsant	US(1)	1
Hydroxyethyl Promazine Sulfoxide		AUSL(2), ITA(1), SPA(1)	4
Hydroxystanozolol		QAT(1)	1
Hydroxyxylazine	Sedative, Analgesic	ITA(2)	2
Ibuprofen	NSAID	AUSL(1), ITA(1), MAL(1)	3
Indomethacin	NSAID	AUSL(1)	1
Ipratropium	Bronchodilator	SPA(1)	1
Isoflupredone	Anti-inflammatory	US(2)	2
Isoxuprine	Vasodilator	AUSL(1), CHILE(2), IND(1)	3
Ketamine	Anesthetic, Analgesic, Sedative	UK(1)	1
Ketoprofen	Analgesic, Anti-Inflammatory	BRA(3), SPA(1), US(2)	6
Ketorolac	NSAID		
Levomepromazine		FRA(1)	1
Levorphanol, dextrophan	Opioid Analgesic, Psychoactive		
Lidocaine	Local Anesthetic	ARG(5), SPA(1), URU(2), US(4)	12
Lobeline	Respiratory Stimulant	US(1)	1
Madophiline			
Mefenamic Acid	NSAID		
Meloxicam, phenylbutazone	NSAID, analgesic, anti-inflammatory	BRA(1)	1
Meloxicam	NSAID, analgesic	BRA(1)	1
Menthol	Anesthetic		
Mephentermine	Cardiac Stimulant	ARG(1)CHILE (1), PAN(2)	4
Mepivacaine	Local Anesthetic		
Meprobamate	Anxiolytic (Metabolite of Carisoprodol, a Skeletal Muscle Relaxant)	US(1)	1
Metenolone		TUR(3)	3
Methandriol	Anabolic Steroid, Androgen		
Methocarbamol	Muscle Relaxant (Skeletal)	ARG(2), ITA(1), SPA(2), TUR(3), US(47)	55
Methylprednisolone	Glucocorticoid, Anti-Inflammatory	ITA(5), TUR(2), US(13)	20
Midazolam		TUR(1)	1
Minoxidil	anti-hypertensive	AUSL(1)	1
Morphine	Analgesic (narcotic)	FRA(1), ITA(1), MAL(1), UK(2)	5
Nandrolone	Anabolic		
Naproxen	NSAID		
N-ethyl nicotinamide	Vitamin B3 B5 + C		
Naftidrofuryl	Spasmolytic		
Niketamide	Respiratory Stimulant, Analeptic	ARG(5), PAN(1)	6
Nimesulide (metabolite)	NSAID, Analgesic, Antipyretic		
Nordazepam and oxazepam		IND(1), MAU(1)	2

RACING DAY SAMPLES - PROHIBITED SUBSTANCES DETECTED

PROHIBITED SUBSTANCES DETECTED	REACTION ENGENDERED	COUNTRIES OF DETECTION	TOTAL
Nordiazepam	Anxiolytic, Tranquilizer (minor), Metabolite of Diazepam		
Norephedrine (also metabolite of ephedrine)	Sympathomimetic Agent, Bronchodilator		
Norketamine	Anesthetic, Analgesic, Sedative		
O-desmethyl pyrilamine		CYP(1), US(2)	3
Omeprazole	Gastric Secretory Inhibitor, Anti-Ulcerative	SIN(2), TUR(1), US(9)	12
Omeprazole, cemitidine	Gastric Secretory Inhibitor, Anti-Ulcerative		
Omeprazole, hydroxyomeprazole	Gastric Secretory Inhibitor, Anti-Ulcerative	SIN(1)	1
Orphenadrine	Antihistaminic, Muscle Relaxant (skeletal)	ARG(4)	4
Oxazepam (also metabolite of diazepam)	Tranquilizer (minor)	ARG(10), FRA(1), URU(1)	12
oxilofrine		TUR(9)	9
Oxycodone	Opioid Analgesic	US(1)	1
Oxymetazoline	Topical Decongestant, Vasoconstrictor	US(1)	1
Oxymorphone	Opioid Analgesic	US(1)	1
Oxyphenbutazone (also metabolite of phenylbutazone)	Anti-Inflammatory, Analgesic	ARG(2)BRA(1), US(138)	141
Parahydroxyephedrine	Adrenergic	ARG(2)	2
Pemoline	CNS Stimulant	TUR(1)	1
Penicillin G	Antibiotic	US(13)	13
Phentermine	Anorexic, Stimulant		
Phenylbutazone	Analgesic, Anti-Inflammatory	ARG(4), AUSL(1), BRA(2), CHILE(2), ITA(1), SOA(1), SPA(1), TUR(1), UK(1), US(138)	152
Phenylbutazone, oxyphenbutazone	Analgesic, Anti-Inflammatory	AUSL(1), CYP(2), FRA(1), ITA(1), MAL(3), MAU(1)	9
Phenylbutazone, oxyphenbutazone, dexamethasone	Analgesic, Anti-Inflammatory; Glucocorticoid		
Phenylpropanolamine	Stimulant, Decongestant, Appetite Suppresant	US(2)	2
Phenytoin	Anticonvulsant	ITA(1), US(6)	7
Picrotoxin	Stimulant, Convulsant		
Polyethylene glycol	Ointment and Suppository Base		
Prednisolone	Glucocorticoid, Anti-Inflammatory	AUSL(3), BRA(1), US(1)	5
Prednisolone, methylprednisolone	Glucocorticoid, Anti-Inflammatory	BRA(1)	1
Prednisolone, prednisone	Glucocorticoid, Anti-Inflammatory	BRA(1)	1
Prednisone	Glucocorticoid, Anti-Inflammatory	AUSL(1), SAU(1)	2
Probenecid	Uricosuric	SOA(2)	2
Procaine	Local Anesthetic	ARG(2)BRA(1),CYP(2), ITA(2), SAU(1), TUR(1), UK(1), US(13)	23
Procaine, promethazine	Local Anesthetic, Antihistamine		
Promazine	Neuroleptic, Tranquilizer		
Propantheline	Antispasmodic Agent, Gastric Inhibitor		
Propoxyphene metabolites	Analgesic (narcotic)	UK(2), US(2)	4
Protopanaxatriol		SAU(1)	1
Pyrilamine	Anti-Histaminic	US(2)	2
Quinidine	Anti-Arrhythmic	US(2)	2
Ractopamine	Beta-2 Adrenoceptor Agonist, Growth Stimulant	MEX(2)	2
Ranitidine	Histamine H2-Receptor Antagonist, Anti-Ulcerative	GER(1), IND(1), US(3)	5



RACING DAY SAMPLES - PROHIBITED SUBSTANCES DETECTED

PROHIBITED SUBSTANCES DETECTED	REACTION ENGENDERED	COUNTRIES OF DETECTION	TOTAL
Reserpine	Tranquilizer, Hypotensive		
Romifidine	Sedative, Analgesic		
Salbutamol	B2-Adrenergic Receptor Agonist	FRA(1), ITA(1)	1
Salbutamol, flunixin	B2-Adrenergic Receptor Agonist, Anti-Inflammatory, Analgesic		
Salicylic Acid (metabolite of aspirin)	Anti-Inflammatory	ITA(6)	6
Scopolamine	Muscarinic Antagonist		
Sildenafil	Vasodilator	ARG(3)	3
Snake venoms	Various, Cobratoxin is an Analgesic Substance		
Stanozolol	Anabolic Steroid	US(4)	4
Stanozolol metabolites	Anabolic Steroid	CYP (1), UK(1)	2
Strychnine	Tonic, Central Stimulant	ARG(3), SAU(1), TUR(1)	5
Sulfadiazine	antibiotic	ARG(1)	1
Synephrine		AUSL(7)	7
TCO2	Bicarbonate	AUSL(4), US(1)	5
Temazepam	Sedative, Hypnotic	ARG(1)	1
Terbutaline	Bronchodilator		
Testo > seuil		FRA(3)	3
Testosterone	Androgen	AUSL(21), CYP(2), GRE(1), ITA(3), MAL(2), NET(1), SOA(1), US(6)	36
Tetramisole, pemoline	CNS Stimulant	AUSL(1)	1
Theobromine	Myocardial Stimulant, Weak Diuretic	AUSL(2), TUN(3)	5
Theophylline	Cardiac Stimulant, Vasodilator, Diuretic	ARG(2), TUN(3), TUR(2)	7
Thioridazine	Neuroleptic	ARG(1)	1
Tiaprofenic Acid	NSAID	AUSL(1)	1
Tramadol	Analgesic	FRA(2)	2
Tranexamic acid	Hemostatic	SPA(2), TUR(2), US(1)	5
Triamcinolone	Glucocorticoid, Anti-Inflammatory	US(5)	5
Triamcinolone acetonide	Glucocorticoid, Anti-Inflammatory	SPA(1), US(5)	6
Trichlormethiazide	Diuretic		
Tripelennamine	Anti-Histaminic	US(11)	11
Valdecoxib		GRE(2)	2
Vedaprofene		FRA(1)	1
Verapamil	Anti-Arrhythmic Agent		
Xylazine	Sedative, Analgesic	US(9)	9
Xylometazoline			
Yohimbine	Stimulant	US(2)	2
Zilpaterol	Beta-2 Adrenoceptor Agonist, Growth Stimulant	MEX(2), US(4)	6
Zuclopenthixol	Antipsychotic		

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	115	Yes	Yes	No	No	
Australia	62	Yes	Yes	Yes	No	
Austria	0	Yes	No	No	No	
Belgium	4	Yes	Yes	No	No	
Brazil	27	Yes	No	No	No	The laboratory performed analysis on 4 post-mortem blood samples, one analysis on both blood and urine samples from a horse out of competition and, one pre-purchase blood sample.
Chile						
China (Hong Kong)	0	Yes	Yes	No	No	
Croatia	0	N/A	N/A	Yes	Yes	
Cyprus	8	Yes	No	No	No	
Czech Republic	0	Yes	Yes	Yes	Yes	
Denmark	0	Yes	Yes	No	Yes	
France	27	Yes	Yes	No	Yes	
Germany	2	Yes	Yes	Yes	Yes	
Greece	3	Yes	Yes	No	No	
India	14	Yes	Yes	Yes	Yes	
Ireland	1	Yes	Yes	Yes	Yes	
Italy	45	Yes	Yes	Yes	Yes	
Lebanon	2	Yes	No	No	No	
Macau	2	Yes	Yes	Yes	No	
Malaysia	13	Yes	Yes	No	No	Detection times and withdrawal periods are decided by the Official Veterinary Surgeons of the respective Turf Clubs in Malaysia.
Mauritius	7	Yes	Yes	No	No	
Mexico	22	No	No	No	No	
the Netherlands	3	Yes	No	No	No	
New Zealand	0	Yes	No	No	No	
Panama	4	No	No	No	Yes	
Qatar	2	Yes	Yes	No	Yes	DT are published to Racing Vets only
Saudi Arabia	10	Yes	Yes	No	No	
Serbia	1	Yes	Yes	No	No	
Singapore	4	Yes	Yes	No	No	
Slovakia		Yes	No	No	No	
South Africa	7	Yes	Yes	Yes	Yes	
Spain	9	Yes	Yes		No	
Sweden	0	Yes	Yes	No	No	We publish withdrawal times
Switzerland						
Tunisia	6	Yes	No	Yes	No	
Turkey	42	Yes	Yes	Yes	No	
United Kingdom	13	Yes	Yes	No	Yes	
USA	498					
Uruguay	16	Yes	Yes	No	No	

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.
Australia	767		69	698	10	10			
Austria	1	1			0				
Belgium		1			1			1	On demand of the trainer
Brazil									Such practice doesn't happen.
Chile									
China (Hong Kong)	1,630	55	612	963	15	10	2	3	These samples include those collected from racehorses newly arrived in Hong Kong. None of the positive findings involved confirmed unauthorised treatment.
Croatia	0								
Cyprus									
Czech Republic	0	0	0	0	0	0	0	0	No sanctions since there were not positive samples
Denmark	0								
France	915	823		92	5	5			Fines between 450 francs and 900 francs
Germany	41		32	9	3	3			Sanctions applied: 400 euros in the first case for the trainer
Greece	17		9	8					
India	956		936	20	3	3			
Ireland	70	0	16	54	0				
Italy									
Lebanon									
Macau									
Malaysia	21		18	3	0				
Mauritius	281		281		1	1			Sanctions applied: Fine of MUR 75000
Mexico									
the Netherlands	0								
New Zealand	55	0	0	55	0	0	0	0	
Panama	N/A								
Qatar									
Saudi Arabia	NIL								
Serbia									
Slovakia									No horses were tested in training
South Africa	295			295	1		1		
Spain	151			151	3		3		2 years suspension licensed trainer
Sweden	11	0	0	11	0				
Switzerland	6			6	0				
Tunisia									
Turkey									
United Kingdom	832			832	0				We would only regard positive cases as those horses with sample containing a high dose of clenbuterol, anabolic steroid or peptide hormone. Other screening findings such as straightforward therapeutic drugs or cross-contamination from staff for example would be investigated/cross-checked with medication records but no disciplinary action taken unless there were anomalies of recording. Please also note that we use hair at times as a supplementary matrix.
USA	651	6		609	8				Out of competition testing is limited to non-therapeutic substances. At present, approximately 1/3 of the states perform some out of competition testing.

7 Countries	5,932	885	1,904	3,108	40	22	6	4	
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## TESTING IN TRAINING

PROHIBITED SUBSTANCES DETECTED	REACTION ENGENDERED	COUNTRIES OF DETECTION	TOTAL
16 beta-idrossistanozolol	Anabolic	ITY (1), IND(2)	3
Acepromazine metabolites	Tranquilizer	FRA(1)	1
Arsenic, dexamethasone, oxyphenbutazone, phenylbutazone	Glucocorticoid, Anti-Inflammatory, Analgesic		
Betamethasone	Analgesic	CHINA (HK) (1)	1
Betamethasone, hydroxyomeprazole, omeprazole, oxyphenbutzone, phenylbutazone	Glucocorticoid, Anti-Inflammatory, Analgesic, Gastric Secretory Inhibitor, Anti-Ulcerative		
Boldenone	Anabolic	AUS (3)	3
Butorphanol	Analgesic, Antitussive	CHINA (HK) (1)	1
Butorphanol, clenbuterol, hydroxydetomidine	Analgesic, Antitussive, Bronchodilator, Sedative		
Butorphanol, flumetasone, omeprazole, oxyphenbutazone and phenylbutazone		CHINA (HK) (1)	1
Butylscopolammonium	Anti-Spasmodic		
Clenbuterol	Bronchodilator	FRA(1)	1
Clenbuterol, dembrexine	Bronchodilator, Expectorant, Mucolytic	GER(2)	2
Dembrexine	Expectorant, Mucolytic		
Dexamethasone	Glucocorticoid, Anti-Inflammatory	CHINA (HK) (2), FRA(1)	3
Dexamethasone, oxyphenbutazone, phenylbutazone	Glucocorticoid, Anti-Inflammatory, Analgesic	CHINA (HK) (1)	1
Diazepam	Anxiolytic, Sedative, Muscle Relaxant (skeletal)		
Diazepam, nordazepam, temazepam	Anxiolytic, Sedative, Muscle Relaxant (skeletal)		
Ephedrine Phenylpropanolamine pseudoephedrine		ITA(1)	1
Flumethasone	Glucocorticoid, Anti-Inflammatory		
Flunixin	Anti-inflammatory	CHINA (HK) (1)	1
Fluphenazine	Neuroleptic	FRA(1)	1
Hydroxy Lidocaine	Local Anesthetic		
Hydroxyethylpromazin		GER(1)	1
Hydroxyomeprazole, omeprazole	Gastric Secretory Inhibitor, Anti-Ulcerative	CHINA (HK) (1)	1
Hydroxyomeprazole, omeprazole, trometamol	Gastric Secretory Inhibitor, Anti-Ulcerative		
Hydroxyxylazine	Sedative, Analgesic		
Meloxicam	NSAID, analgesic	CHINA (HK) (4)	4
Meloxicam, oxyphenbutazone, phenylbutazone	NSAID, Anti-Inflammatory, Analgesic		
Methylprednisolone	Glucocorticoid, Anti-Inflammatory		
Nandrolone	Anabolic	IND(1)	1
Norethandrolone		MAU(1)	1
Oxyphenbutazone	Anti-Inflammatory, Analgesic		
Oxyphenbutazone, phenylbutazone	Anti-Inflammatory, Analgesic	CHINA (HK) (5), FRA(1)	6
Oxyphenbutazone, phenylbutazone and triamcinolone acetonide	Anti-Inflammatory, Analgesic, Glucocorticoid, anti-inflammatory	CHINA (HK) (1)	1
Phenylbutazone	Anti-Inflammatory, Analgesic	SOA(1)	1
Procaine	Local Anesthetic		
Promazine Hydroxymethyl	Tranquilizer		
Salicylic Acid	Anti-Inflammatory	FRA(1)	1
Stanozolol	anabolic steroid	SPA(3)	3
Testosterone	Androgen	AUS(7)	7
Triamcinolone	Glucocorticoid, Anti-Inflammatory		
Triamcinolone acetonide	Glucocorticoid, Anti-Inflammatory		
Trometamol			
Zuclopentixol		BEL(1)	1
			48

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	We don't use Furosemide and Phenylbutazone thresholds in every analysis because we allow these substances in some races. Furosemide: is allowed in every race. Phenylbutazone: is allowed for horses over 4 years old and in races that are not Group graded or listed.
AUSTRALIA	Yes	No	Yes	No	No	n/a	No	
AUSTRIA	No	Yes	Yes	Yes	Yes	Yes	No	
BELGIUM	No	Yes	Yes	Yes	No		No	
BRAZIL	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes, following a rule approved by the Ministry of Agriculture, Furosemide is allowed 4 hours prior racing in a dose 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 478 animals there were collected both urine and blood samples for furosemide analysis.
CHILE								
CHINA(Hong Kong)	Yes	No	Yes	No	Yes	Yes	No	
CROATIA	Yes	Yes	Yes	Yes	Yes	Yes	No	
CYPRUS	Yes	No	Yes	No	Yes	Yes	No	
CZECH REPUBLIC	No	Yes	Yes	Yes	Yes	Yes	No	
DENMARK	Yes	No	Yes	No	No	No	No	
FRANCE	Yes	No	No	No	No	No	No	
GERMANY	Yes	Yes	Yes	Yes	Yes	Yes	No	
GREECE	Yes	No	No	No	No		No	
INDIA	Yes	Yes	Yes	Yes	Yes	Yes	No	
IRELAND								
ITALY	No	Yes	Yes	Yes	Yes	Yes	Yes	
LEBANON	Yes	Yes	No	No	No	No	No	
MACAU	No	Yes	Yes	Yes	No		No	
MALAYSIA	Yes	Yes	Yes	Yes	No	No	No	
MAURITIUS	No	Yes	Yes	Yes	No	No	No	
the NETHERLANDS	Yes	No	No	No	No		No	
NEW ZEALAND	No	Yes	Yes	Yes	Yes	Yes	No	
PANAMA	No	Yes	No	Yes	No	No	Yes	
QATAR	Yes	Yes	Yes	Yes	No		No	
SAUDI ARABIA	No	Yes	Yes	Yes	No	No	No	
SERBIA	No	Yes	Yes	Yes	Yes	Yes	No	
SINGAPORE	No	Yes	Yes	Yes	No		No	
SLOVAKIA	No	Yes	Yes	Yes	Yes	Yes	No	
SOUTH AFRICA	No	Yes	Yes	Yes	No		No	
SPAIN	No	Yes	Yes	No	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	Application of Article 6 of the International Agreement
TURKEY	Yes	No	No	No	Yes	No	No	
UNITED KINGDOM	No	partial contribution	Yes	Yes	Yes	Yes	Yes	There are some therapeutic medications for which the BHA has recommended a Detection Time and accompanying European Screening Limit, ahead of the EHSLC formally agreeing that ESL (and as the sequence to that a recommendation for an ISL). In those instances, because of our national confidence in the data and the length of time it was taking to obtain international agreement, a national SL was adopted prior to adoption of an ESL/ISL. Examples would include detomidine/butorphanol, romifidine/butorphanol and salmeterol.
Uruguay	No	Yes	Yes	No	Yes	Yes	Yes	Ele puse la totalidad de la planilla que usamos para LOD, no se si queres que la filtre para aquello que NO es IFHA unicamente o deo todo
USA	No	Yes	Yes	Yes	No	N/A	Yes	Varies by state and by drug

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: Centro de Investigacion y Control de Doping Diagonal 113 y 62 La Plata, Buenos Aires Tel. Fax: +54 221 4246990 e-mail: controldoping@loteria.gba.gov.ar <a href="mailto:controldoping@yahoo.com.ar">controldoping@yahoo.com.ar</a></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>Doping Control Laboratory CENARD Cristologo Larralde 1050. Capital Federal. Buenos Aires Tel: +541147041609 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. Osvaldo Teme Centurion (CENARD)</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 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>Chem Centre South Wing, Building 500 Curtin University of Technology Bentley WA 6102 Tel: +61 8 9422 9880 Fax: +61 8 9422 9831 Email: crusso@chemcentre.wa.gov.au</p> <p>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>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 Dr. Bruce Young, Manager, Veterinary Services</p> <p>Mr. Charles Ivan Russo</p> <p>Mr. David Batty, Laboratory Director</p> <p>Mr. John Keledjian, General Manager</p>	<p>National Association of Testing Authorities (NATA) ISO 17025 &amp; NCSI - ISO9001</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 &amp; ILAC-G7:06/2009</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 &amp; 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 <a href="mailto:secretariat@lchfrance.fr">secretariat@lchfrance.fr</a></p>	<p>Dr. Yves Bonnaire</p>		<p>Dr. Isabella Copar Iglaseegasse 72 A-1190 Vienna AUSTRIA 0043 1 3695347 <a href="mailto:Isabella.copar@chello.at">Isabella.copar@chello.at</a></p>
Belgium	<p>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</p>	<p>Dr. Yves Bonnaire</p>	<p>COFRAC</p>	<p>VAN DOOREN David Leiestraat 60 8520 Kuurne Belgium e-mail: d.v.n@busmail.com</p>
Brazil	<p>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</p>	<p>Mirtes Eliete Velletri de Souza CRF 5831, Coordenadora de Departamento</p>	<p>Works with ISO 17025 system and is in the way to be accredited on that.</p>	<p>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</p>
Chile	<p>Laboratorio de Analisis Antidoping de la Universidad de Chile Direccion: Sergio Livingstone 1007,k Independencia, Santiago +56-2-2735 57 33 - +56-2-2978 28 00 Email: camargodoping@hotmail.com</p>	<p>Dr. Cristian Camargo Dr. Cristian Nunez</p>	<p>Association of Official Racing Chemists Instituto Nacional de Normalizacion Confederacion Sudamericana de Futbol Instituto Nacional de Deportes</p>	<p>Dr. Mariano Goic phone: +56-2-2693 9693 9657 email: mariano.goic@clubhipico.cl Dr. Arnoldo Croxatto phone: +56-2-2270 9315 email: veterinaria@hipodromochile.cl</p>
China	<p>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</p>	<p>Dr. Terence S.M. Wan</p>	<p>Yes, accredited by the Hong Kong Accreditation Service (to the requirements of ISO/IEC 17025 : 2005)</p>	<p>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</p>
Croatia	<p>LCH France</p>	<p>LCH France</p>	<p>LCH France</p>	<p>Croatian Gallop Association R. Cimermana 5 HR Zagreb, 10000 00385 21 467 990 Fax <a href="mailto:secretary.crogallop@gmail.com">secretary.crogallop@gmail.com</a></p>

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
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. 00357 - 22805250 Fax. 00357 - 22332803 E-mail: director@vs.moa.gov.cy
Czech Republic	Deutsche Sporthochschule Kohn Institut für Biochemie Carl - Diem Weg 6 Kohn Germany	Prof. Wilhelm Schanzer		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 Veterinärmedicinska 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 Licencing Horses and Control Department Societe France Galop - 46, Place Abel Gance - 92655 Boulogne Cedex (France) Tel. +(0)1 49 10 23 25 - Mobile: +33 (0)6 85 54 31 56 - Fax: +33 (0) 1 49 10 21 55 <a href="mailto:pmgadot@france-galop.com">pmgadot@france-galop.com</a>
Germany	Prof. Dr. Wolfgang Schanzer Institut für Biochemie - Deutsche Sporthochschule Kohn Am Sportpark Mungersdorf 6 50933 Kohn Tel: 0049-221-4971313 Fax: 0049-221-4973236 Email: <a href="mailto:schaenzer@biochem.dshs-koeln.de">schaenzer@biochem.dshs-koeln.de</a>	Prof. Dr. Wolfgang Schanzer	WADA AORC Iso 17025:2005	Dr. Thomas Weinberger Burg Muggenhausen 53919 Weilerswist Tel. 0049-225496260 Fax 0049-2254-962777 email: <a href="mailto:burg_mueggenhausen@t-online.de">burg_mueggenhausen@t-online.de</a>
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 <a href="mailto:caika@ath.forthnet.gr">caika@ath.forthnet.gr</a>	Manolis Lyris Ph.D Tel: 00306976563007	WADA AORC ISO/IEC 17025	Petros Zafeiris/Markopoulo Mesogaras 19003/00302299041332 <a href="mailto:pzafeiris@yahoo.gr">pzafeiris@yahoo.gr</a> Tel: 00306944457320
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: secretariat@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: <a href="mailto:secretary@madrasraceclub.in">secretary@madrasraceclub.in</a>	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 UKAS 4. Accredited by AORC	1. Dr. B Sridhar and Dr. K Venugopal Reddy, Hyderabad Race Club, Malakpet, Hyderabad-50036, Tel: 040-24549491/2, Fax: 040-24548493, email: <a href="mailto:secyhrc@yahoo.co.in">secyhrc@yahoo.co.in</a> 2. Dr. S V Chinmulgund, Bangalore Turf Club Ltd, Race Course Road, Bangalore 560001, Tel: 080-22262391/2/3, fax: 080-22256995. Email: <a href="mailto:secbtc@yahoo.com">secbtc@yahoo.com</a> 3. Dr. S K Kulakami, Royal Western India Turf Club Ltd, Race Course, Mahalaxmi, Mumbai 400034, Tel: 020 23071401/07, Fax: 022 23090351 Email: <a href="mailto:secretary@rwitc.com">secretary@rwitc.com</a> 4. Dr. Indrajit Banajee, Royal Calcutta Turf Club, Calcutta Rac Course, Hastings, Kolkata, Tel: 033-22487170, Fax: 033 224872787 5. Dr. S M Karthikeyan, Madras Race Club, Guindy, Chennai, Tel: 044 22351553/2/3, Fax: 040 22301660 Email: <a href="mailto:secretary@madrasraceclub.in">secretary@madrasraceclub.in</a>
Ireland	BHP Laboratories, New Road, Thomondgate, Limerick, Ireland Phone: 353 61 455399 Fax: 353 61 445447 Email: <a href="mailto:colettehannan@bhp.ie">colettehannan@bhp.ie</a>	Mr. Dermot Purcell	Accredited to ISO 17025 by Irish National Accreditation Board (INAB)	Terry J A Smith, Veterinary Clinic, Caddells Lane, Rathfriland, Co. Down, Northern Ireland Phone: +44-7968-700745 Email: <a href="mailto:terryjasmith@hotmail.co.uk">terryjasmith@hotmail.co.uk</a>
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: <a href="mailto:i-suda@lrc.or.jp">i-suda@lrc.or.jp</a>			
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 <a href="mailto:sparca.leb@gmail.com">sparca.leb@gmail.com</a>			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 <a href="mailto:Sparca.leb@gmail.com">Sparca.leb@gmail.com</a>
Macau	Racing Analytical Services 400 Emsom Road Flemington VICTORIA AUSTRALIA Email: <a href="mailto:rasl@rasl.com.au">rasl@rasl.com.au</a> Tel: +61 3 9376 6760 / Fax: +61 3 9376 6875	Dr. David Batty	NATA	Dr. Eugene Reynders c/o Macau Jockey Club PO Box 488 MACAU Tel: +853 6274 7671 Fax : +853 28820032

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
Malaysia	Usains Bionmics Sdn. Bhd Suite 016 Ground Floor Eureka Complex Universiti Sains Malaysia 11800 Minden USM Penang, Malaysia Email: bionmics@usainsgroup.com Tel: +604-659 3140 Fax: +604-656 9796	Tan Soo Choon	None	Dr. Shri Kanth Chairman MRA Veterinary Technical Committee Selangor Turf Club Jalan Sungei Besi 57100, Kuala Lumpur, Malaysia Tel: 603 905 83888 Fax: 603 905 85755 <a href="mailto:shri73@gmail.com">shri73@gmail.com</a>
Mauritius	Mauritius Turf Club Laboratory Champ de Mars Port Louis Mauritius Tel: +230 2132675 Fax: +230 2115740 Email: Bertrand.baudot@mauritiusturfclub.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
Mexico	Laboratory: HFL Sport Science, Inc. Address: 1745 Alysheba Way, Suite 160, Lexington, KY 40509, USA Tel: (859)721-0180 Fax: (859)264-0371		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	M.V.Z. Guadalupe Juana Zarinana Leguizamo Av. Del Conscripto #311, Interior del Hipodromo de las Americas Zona de Caballerizas, Col. Lomas de Sotelo, Delegacion Miguel Hidalgo, Distrito Federal, Mexico, C.P. 11200 Tel: (0155)5080-4102, 5080-4103, 5080-4104
	Laboratory: Truesdail Laboratories, Inc. 14201 Franklin Avenue, Tustin, CA 92780-7008 Tel: (714)730-6239, Fax: (714)730-6462 Email: www.truesdail.com		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, Delegacion Miguel Hidalgo, Distrito Federal, Mexico, C.P. 11200 Tel: (0155)5080-4102, 5080-4103, 5080-4104
	Diagnostico de Salud Animal, SA (DIAGSA). (Solo en ciertos casos) Av. Damian Carmona #6, Lomas Hipodromo, Naucalpan, Edo. De Mexico, Mexico, CP 53900 Tel: (0155)5589-5663, 5589-2786, 5589-7560, Cel. (04455)1333-8986		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, Delegacion Miguel Hidalgo, Distrito Federal, Mexico, C.P. 11200 Tel: (0155)5080-4102, 5080-4103, 5080-4104
Netherlands	LCH 15, Rue de Paradis 91370 Verrieres le Buisson France Tel: +33-169752828 Fax: +33-169752829 f.balssalchfrance.fr	Dr. Yves Bonnaire		C.W. Mellegers Postbus 60 2240 AB Wassenaar, Pays Bas Tel +31-703047142 Mob +622448772 Fax +31-703047145
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 <a href="mailto:nzrls@woosh.co.nz">nzrls@woosh.co.nz</a>	Rob Howitt	Accredited by International Accreditation New Zealand to ISO:17025	Dr. Andrew Grierson, PO Box 82, Takanini, Auckland 1730 T: Bus: 09 299 8932; H: 09 294 8459 Fax: 09 298 6343; Mobile: 021 924 480; Email: andrew@aucklandvets.co.nz
Panama	Laboratory of Analisis and Drugs Phone: 507-2337420	Lic. Alfonso Singh	University Fundation Is Directed by Panama University	Dr. guido Tunon/MagdaLeno Villarreal Phone: 507 67807309 email: Tguido a hotmail.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	Cofrac - ESSAIS	Dr. Thiago Reis Ribeiro da Luz - Regulatory Vet Surgeon & Race Day Sampling Controller. Racing and Equestrian Club, Qatar Grandstand, racing office 2, Racing and Equestrian Club, Doha - Qatar. PO Box 7559, mobile number +974 33852132. <a href="mailto:thiluz@hotmail.com">thiluz@hotmail.com</a>
Saudi Arabia	Central Veterinary Research Laboratory Equine Forensic Unit P.O. Box 597, Dubai, United Arab Emirates TEL: +971 4 336 6082 FAX: +971 4 334 9343	Mr. Ali Ridha Administrative Director Equine Forensic Unit, United Arab Emirates		Dr. Ahmad Ali A. Alaeyari Veterinary Officer P.O. Box 26323, Riyadh, 11486, Kingdom of Saudi Arabia TEL: +966 1 254 0222 FAX: +966 1 254 0503 MOBILE: +966 55 613 3871 E-MAIL: vii3881@gmail.com
	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. Terence S.M. Wan Chief Racing Chemist (Head of Racing Laboratory) Hong Kong		
Serbia	Deutsche Sporthochschule Koln Institut fur Biochemie Am Sportpark Mungersdorf 6 50933 Koln Tel: +49.221 4971313 Fax: +49.221 4973236	Prof Dr. W. Schanzer	WADA AORC ISO	
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	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 Koln Institut fur Biochemie Am Sportpark Mungersdorf 6 50933 Koln Germany Telefon: 0221-49824920 Telefax: 0221-4973236 E-mail: schanzer@biochem.dshs-koeln.de	Prof. Dr. Wilhelm Schanzer	ISO/IEC 2005: 17025	State veterinary office: Dr. Radoslav Kristolic, head of animal health department. Regionalna veterinarna a potravinnova sprava Bratislava-mesto, Polianky 8, 841 01 Bratislava, Slovakia, tel. +421 2 64461209, AadvieZvierat.Ba@svps.sk Veterinary responsible for sampling on racedays: Dr. Tomas Frey, Sladkovicova, 902 01 Pezinok, Slovakia, tel. +421 2 905 474 082, tomas.frey@gmail.com
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 Email: schalkdk@nhralaboratory.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



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
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 secretariat@lchfrance.l	Dr. Yves Bonnaire	COFRAC ISO 17025	Manuel Rodriguez Sanchez Tel. 639.672.567 manuel.rodriguez @vet.ucm.es
Sweden	National Veterinary Institute SE-751 89 Uppsala Sweden 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 <a href="mailto:goran.akerstrom@travsport.se">goran.akerstrom@travsport.se</a>
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 Cheval Jean-Pierre Kratzer Les Longs-Pres 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 <a href="mailto:y.bonnaire@lchfrance.fr">y.bonnaire@lchfrance.fr</a>	Dr. Bonnaire Yves	COFRAC Accreditation N 1-0804	Dr. Lanolssi Faouz <a href="mailto:Courses.tunisie@planet.fr">Courses.tunisie@planet.fr</a>
Turkey	Etilik Veterinary Control Central Research Institut Ahmet Sefik Kolayli Caddesi No: 23 06020 Etilik-ANKARA/TURKEY Telephone: +90 312 326 00 90 Fax: +90 312 321 17 55 <a href="mailto:ehh.o@merkezvet.gov.tr">ehh.o@merkezvet.gov.tr</a>	Dr. Ozhan TURKIYILMAZ, Director	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 / 258 76 07 Fax: +90 312 258 76 93 Prof. Dr. Irfan Erol <a href="mailto:irfan.erot@tarim.gov.tr">irfan.erot@tarim.gov.tr</a>
United Kingdom	HFL Sport Science Newmarket Road, Fordham, Cambridgeshire UK CB7 5 WW Tel +44(0) 1638 724400 Fax +44(0) 1638 724436 Email: <a href="mailto:info@hfl.co.uk">info@hfl.co.uk</a>	Mr. Steve Maynard, Director	Accredited by UKAS ISO/IEC 17025	(with regard to medication and doping control our Veterinary Adviser is the point of contact) Dr. Lynn Hillier, British Horseracing Authority, 75 High Holborn, London, WC1V 6LS 0044 7764 769890 <a href="mailto:lhillyer@britishhorseracing.com">lhillyer@britishhorseracing.com</a>
U n i t e d  S t a t e  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			
	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 40505 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	

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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 States	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
	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 Godetsky Building 9075 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 43068-3396 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	Infodynamics Srl. J.L. Zorrilla 233 CP 11300 Montevideo, Uruguay Tel+(598)27100499	Q.F. Eleonora Scoseria		Dr. Jose C. Gallero Quadros HRU SA Jose Maria Guerra 3540 CP 12.000 Montevideo, Uruguay Tel+(598)25117777
	Beltran Zuninc Juan Paullier 106E CP 11200 Montevideo, Uruguay Tel +(598)24089554	Q.F. Laura Zuninc		
	Control de Dopaje Ministerio del Uruguay 8 de Octubre 3362, 1er pisc CP11600 Montevideo Uruguay Tel. +(598)2	Q.F. Carola Stanko		<a href="mailto:igallero@hru.com.uy">igallero@hru.com.uy</a> <a href="http://www.maronas.com.uy">www.maronas.com.uy</a>
	Polo Tecnologico de Pandic Con. Aparicio Saravia s/r CP 91000 Canelones Uruguay Tel. +(598)22922021	Ph.D Alejandra Rodriguez		
	LATU Av. Italia 6201 CP 11500 Montevideo, Uruguay Tel. +(598)26013724	Q.F. Jacqueline Cea		