



Jockey Club

CONTROL OF PROHIBITED SUBSTANCES. JOCKEY CLUB
HIPÓDROMO DE SAN ISIDRO



IFHA

(International Federation of Horseracing Authorities)

RECOMMENDATIONS AND REQUIREMENTS TO LATIN AMERICAN HORSERACING FOR THE CONTROL OF FORBIDDEN SUBSTANCES

Alberto L. Costa

Chief of Veterinary Department
Jockey Club
Hipódromo de San Isidro

Patricia I. Porto

Chief of Analytic Department
Jockey Club
Hipódromo de San Isidro



Jockey Club

CONTROL OF PROHIBITED SUBSTANCES. JOCKEY CLUB
HIPÓDROMO DE SAN ISIDRO



- As from 2019, samples from G1 races shall be analyzed by IFHA reference laboratories
- Upon this depends whether our region maintains its G1 races or not
- Currently, there are only 5 IFHA reference laboratories around the World



News

Wednesday, August
09, 2017

Contact: Andrew Chesser
+1-859-224-2741

**Five IFHA Reference Laboratories Appointed;
Assessment Process and Application Now
Available for Additional Laboratories**

It was announced today by International Federation of Horseracing Authorities (IFHA) Chairman Louis Romanet, following the approval of the IFHA's Executive Council, that 5 analytical laboratories have each been appointed as an "IFHA Reference Laboratory". The 5 labs are the following:

- (Australia) Racing Analytical Services Limited
- (France) Laboratoire Des Courses Hippiques
- (Great Britain) LGC Group, Sport & Specialised Analytical Services
- (Hong Kong) Hong Kong Jockey Club Racing Laboratory
- (USA) Kenneth L. Maddy Equine Analytical Chemistry Laboratory, University of California at Davis

As part of the application process, the 5 labs successfully satisfied criteria that included but not limited to the scale of operations, resourcing, research activity and capability to detect the use of prohibited substances, including the major doping agents (MDAs).

IFHA Chairman, Louis Romanet,



Jockey Club

CONTROL OF PROHIBITED SUBSTANCES. JOCKEY CLUB
HIPÓDROMO DE SAN ISIDRO



Some South American countries have already begun complying with this requirement:

- **URUGUAY:**

Hipódromo Maroñas. All races in Part 1 are sent for testing at LCH (Laboratoire Des Courses Hippiques, France). As from 2019, samples from all remaining black types will be tested there, too.

- **BRAZIL:**

Hipódromo Gávea: All their Black Types tested at LCH (France)

- **CHILE:** LCH (Laboratoire Des Courses Hippiques, France), and RASL (Racing Analytical Services Limited. Australia)

Club Hípico Santiago: All Black Types tested at RASL (Australia)

Hipódromo Chile: G1 and G2 races tested at RASL (Australia). As from 2020, the remaining black types (G3s and Listed) will be tested at RASL, too.



Jockey Club

*CONTROL OF PROHIBITED SUBSTANCES. JOCKEY CLUB
HIPÓDROMO DE SAN ISIDRO*



- Sending G1s samples to these laboratories means a great challenge
- This will require:
 - Longer times to obtain results
 - Very high costs of material, shipping and testing of samples
 - Inconvenients and high costs in case of wishing to attend the testing of B Samples



Jockey Club

*CONTROL OF PROHIBITED SUBSTANCES. JOCKEY CLUB
HIPÓDROMO DE SAN ISIDRO*



- Due to the reasons explained before, it is of utmost importance to have a IFHA Reference Laboratory within our region.
- IFHA considers the Jockey Club/ San Isidro Racecourse Analytic Department laboratory as the most capable of achieving this certification in the future



Jockey Club

*CONTROL OF PROHIBITED SUBSTANCES. JOCKEY CLUB
HIPÓDROMO DE SAN ISIDRO*



- To achieve IFHA certification, there are requirements as regards investment, continuous work and training.
- Throughout this process:
 - ✓ There will be an increase in the capability and sensibility for the detection of forbidden substances
 - ✓ The suggested withdrawal times will be further increased, in order to avoid positive results
 - ✓ There will be an increase of detection capability in different media: URINE, SERUM, PLASMA and HAIR
- This is one of the reasons why we are publishing new withdrawal times every 6 months



Jockey Club

CONTROL OF PROHIBITED SUBSTANCES. JOCKEY CLUB
HIPÓDROMO DE SAN ISIDRO



SUSTANCIA	DOSIS		VIA	TIEMPO DE RETIRO SUGERIDO (dias)
	N°	CANTIDAD		
ACEPROMACINA	unica	25 mg	EV	5*
ACIDO AMINOCAPROICO	unica	2,8 gr	EV	5
BETAMETASONA FOSFATO	unica	20 mg	IM/EV	7
	unica	20 mg	IA	10
BUTAZOLIDINA	unica	2 gr	EV	8*
BUTORFANOL	unica	50 mg	EV	6*
BUTILESCOPOLAMINA	unica	120 mg	EV	6*
CLEMBUTEROL	10 c/12 hs	0,8 mg	O	15*
CIPROHEPTADINA	15 c/24 hs	50 mg	O	12
DEXAMETASONA FOSFATO	unica	20 mg	IM/EV	7*
	unica	20 mg	IA	10
DIPIRONA	unica	15 gr	EV	8*
EFORMOTEROL	2 c/24 hs	0,04 mg	IM	5
FLUFENAZINA	unica	37,5 mg	IM	20
FUROSEMIDA	unica	250 mg	EV	5*
GLYCOPIRROLATO	unica	2 gr	IM/EV	5
KETOPROFENO	5 c/24 hs	1,1 gr	EV	7*
LIDOCAINA	unica	500 mg	IM	6
MEGLUMINE DE FLUNIXIN	unica	500 mg	EV	8*
MELOXICAM	7c/24 hs	300 mg	O	5*
METOCARBAMOL	unica	5 gr	EV	7
	5 c/24 hs	3 gr	O	
NAPROXENO	5 c/24 hs	5 gr	O	17*
OMEPRAZOL	14 c/24 hs	500 mg	O	5*
OXAZEPAN	unica	100 mg	O	6
PENICILINA PROCAINICA	unica	1 millon UI	IM	20
	3 c/ 24 hs	1 millon UI	IM	25

JANUARY 2019

Withdrawal times marked with * match the ones recommended by IFHA and EHLSC for the individual use of each drug in horses free from other medication.

We wish to remind trainers that all pharmacological substances are forbidden, even when there may be no bibliography to provide guidance as to withdrawal times.

The sensibility of IFHA laboratories may be higher, for which the published withdrawal times may not be enough. We suggest that a larger time frame may be taken, for extra certainty.



Jockey Club

*CONTROL OF PROHIBITED SUBSTANCES. JOCKEY CLUB
HIPÓDROMO DE SAN ISIDRO*



RECOMMENDATIONS

- ❖ TO HAVE A COMPLETE REGISTRY OF MEDICATION AND TREATMENT OF HORSES
- ❖ TO ENSURE THAT MEDICATION IS HANDLED AND APPLIED BY THE ATTENDING VETERINARIAN
- ❖ TO AVOID THE USE OF MASTER FORMULA MEDICATION; WITH NO BRAND NAMES OR ADEQUATE INFORMATION AS REGARDS THE FORMULA CONTAINED IN THEM
- ❖ TO AVOID RANDOM ACCESS OF STAFF INSIDE THE BOXES OF ENTERED HORSES (EG: “RESTRICTED AREA” SIGNS, LOCKS)
- ❖ TO CONTROL THE USE OF RECREATIONAL/HARD DRUGS/NARCOTICS BY THE STABLE STAFF (IN ORDER TO AVOID POSITIVE FINDINGS DUE TO CONTAMINATION)
- ❖ TO AVOID ORAL MEDICATION IN ENTERED HORSES
- ❖ TO REMEMBER THERE ARE THERAPEUTIC DRUGS – WHICH HAVE WITHDRAWAL TIMES – AND OTHERS WHICH ARE PROHIBITED AT ANY TIME THROUGHOUT THE HORSE’S LIFE, SUCH AS ANABOLIC STEROIDS
- ❖ TO REMEMBER THAT THE SUGGESTED WITHDRAWAL TIMES ARE APPLICABLE FOR THE SPECIFIED CONCENTRATIONS, WITHOUT THEM BEING COMBINED WITH OTHER SUBSTANCES, AND IN ANIMALS FREE FROM MEDICATION. THE METABOLISM OF EACH INDIVIDUAL MAY VARY.



Jockey Club

*CONTROL OF PROHIBITED SUBSTANCES. JOCKEY CLUB
HIPÓDROMO DE SAN ISIDRO*



OUT OF COMPETITION TESTING

- IN THE FUTURE, SAMPLES SHALL BE TAKEN OUT OF COMPETITION, RANDOMLY, TO ANY THOROUGHBRED IN TRAINING
- CURRENTLY, SUCH TESTS HAVE BEEN AIMED AT RUNNERS OF G1S, AFTER THEY HAD BEEN ENTERED TO COMPETE
- THESE TESTS HAVE BEEN USEFUL FOR NOTING IF THERE IS ANY SUBSTANCE PRESENT, OF WHICH THE TRAINER IS UNAWARE
- IN THE MOST RECENT SAMPLINGS, WE HAVE FOUND MUCH DIFFERENCE BETWEEN THE AUTHORIZED MEDICATION DECLARED BY THE TRAINER AND THE ACTUAL FINDINGS



Jockey Club

*CONTROL OF PROHIBITED SUBSTANCES. JOCKEY CLUB
HIPÓDROMO DE SAN ISIDRO*



OUT OF COMPETITION TESTING

- WE REMIND YOU THAT THIS ACTION HAS BEEN TAKEN IN ORDER TO PROVIDE ADVISE AND TO AVOID POSITIVE RESULTS
- THIS HAS BEEN A PARTIAL TESTING OF A SINGLE MATRIX AND FOR A LIMITED GROUP OF COMPOUNDS
- AS FROM NOW, A “MEDICATION RECORD” (*) CARD SHALL BE INTRODUCED, WHERE THE TRAINER SHALL DECLARE ANY THERAPEUTIC MEDICATION APPLIED DURING THE LAST 15 DAYS. SUCH CARD SHALL BE SIGNED AND LEFT AT THE STABLE, TO BE USED AT THE MOMENT WHEN THE SAMPLE IS TAKEN.
- RACING AUTHORITIES SHALL HAVE THE POWER OF WITHDRAWING ANY THOROUGHBRED FROM COMPETITION
- WE REMIND YOU OF THE IMPORTANCE OF AVOIDING THE USE OF ANY TYPE OF MEDICATION AFTER SAMPLING, IN ORDER TO AVOID POSITIVE DOPING



Jockey Club

CONTROL OF PROHIBITED SUBSTANCES. JOCKEY CLUB HIPÓDROMO DE SAN ISIDRO



OUT OF COMPETITION TESTING (*) MEDICATION RECORD

 Jockey Club	 SAN ISIDRO HIPÓDROMO
REGISTRO DE MEDICACION TERAPÉUTICA JOCKEY CLUB. HIPÓDROMO DE SAN ISIDRO	
PREMIO: _____	
FECHA: _____	
ENTRENADOR: _____	
DECLARO QUE EL SPC _____ HA RECIBIDO LA SIGUIENTE MEDICACION TERAPEUTICA DENTRO DE LOS 15 DIAS PREVIOS AL DIA DE LA FECHA	
FIRMA: _____	
ACLARACION: _____	



Jockey Club

*CONTROL OF PROHIBITED SUBSTANCES. JOCKEY CLUB
HIPÓDROMO DE SAN ISIDRO*



POPULATION-BASED SAMPLING FOR ESTABLISHING RESIDUAL LEVELS OF ARSENIC

- Taking into consideration the high levels of arsenic in certain areas within Argentine territory, a population-based study will be carried out, to determine our own residual level .
- This investigation shall be submitted to IFHA, for the public health issue we face to be officially addressed, for any possible findings of increased concentrations of arsenic in the urine of Argentine horses.
- 160 samples shall be taken, from Buenos Aires, Santa Fe, La Pampa and Córdoba.
- For this purpose, we require cooperation from trainers and veterinarians. This is the only way in which we may achieve a representative study which we will all benefit from.



Jockey Club

*CONTROL OF PROHIBITED SUBSTANCES. JOCKEY CLUB
HIPÓDROMO DE SAN ISIDRO*



NEWS AND DEVELOPMENTS

- As from January 15th, our laboratory will begin detecting metals and metalloids such as cobalt, lithium and arsenic, amongst others. We suggest that attention is paid to the vitamin supplements and the concentrations used, in order to avoid excess concentrations of such substances
- Shortly, our laboratory will also begin testing for forbidden substances in hair. This allows the detection of substances which may have been used several months prior to the time of sampling.
- There is much concern about the unlimited use of biophosphonates given its effect in bone metabolism and the great analgesic effect they have.
- Given a new International regulation, biophosphonates shall be completely prohibited for use in horses younger than 3 and a half years old. Older horses shall be allowed to receive treatment with these substances, provided their therapeutic doses are respected, and a minimum withdrawal time of 30 days is kept.



Jockey Club

CONTROL OF PROHIBITED SUBSTANCES. JOCKEY CLUB
HIPÓDROMO DE SAN ISIDRO



ANALGESIA AND ON-TRACK ACCIDENTS

- An epidemiologic investigation carried out at the University of Glasgow, based on data from several years coming from different South American racecourses, gave as a result a disturbing conclusion.
- According to the findings, the probabilities for a horse running with phenylbutazone (declared) from suffering a lesion (either fatal or not) during racing are, in average, **1.82** times higher than in a horse running free from medication. The values vary from **1.45 to 2.44**. (twice as much as the probability of a horse running free from medication)
- This is a very high risk
- This is the first time that a study is able to demonstrate the relationship between medication and accidents. There is much interest in this finding, internationally, and there is an initiative to publish a scientific paper addressing this issue



Jockey Club

*CONTROL OF PROHIBITED SUBSTANCES. JOCKEY CLUB
HIPÓDROMO DE SAN ISIDRO*



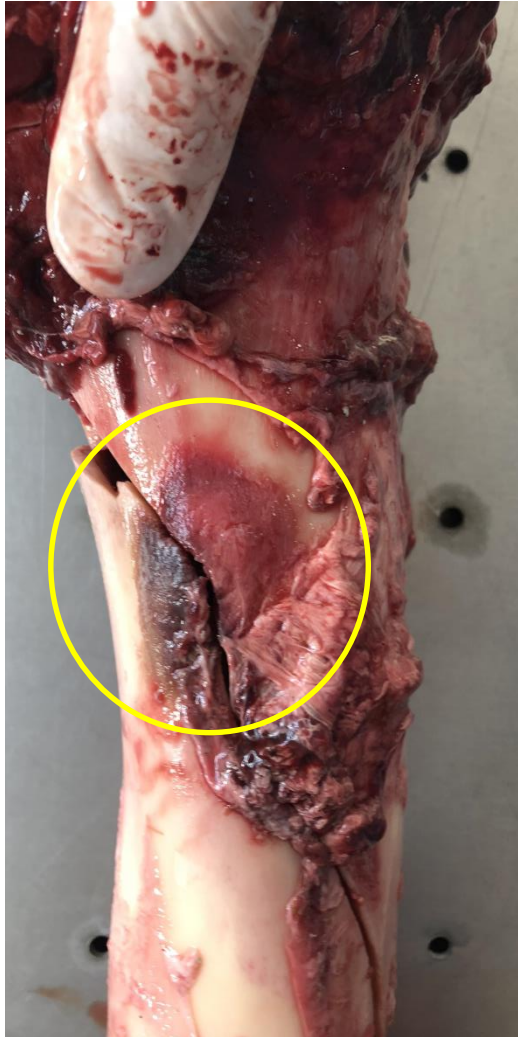
ANALGESIA AND ON-TRACK ACCIDENTS

- Besides managing the use of therapeutic medication in order to avoid a positive finding, it's important to consider the risk implied in running a horse under the effect of a substance which produces analgesia.
- This masks the pain from any existing micro-lesion and **SIGNIFICANTLY** increases the chances of having severe accidents and fatalities during a race.
- This last statement has been confirmed by post mortem findings. Necropsies have been carried out in horses euthanized after severe accidents, and in most of these cases there have been findings of lesions prior to the one causing the fatality.
- It's also important to have in mind that these accidents involve the safety and health of jockeys



Jockey Club

CONTROL OF PROHIBITED SUBSTANCES. JOCKEY CLUB
HIPÓDROMO DE SAN ISIDRO





Jockey Club

*CONTROL OF PROHIBITED SUBSTANCES. JOCKEY CLUB
HIPÓDROMO DE SAN ISIDRO*



PROPOSAL

ANNUAL MEETING ADDRESSING DOPING CONTROL, WITHDRAWAL
TIMES AND FORBIDDEN PRACTICES, ADDRESSED TO:

- TRAINERS
- VETERINARIANS
 - OWNERS
 - BREEDERS
- RACECOURSE AUTHORITIES



Jockey Club

*CONTROL OF PROHIBITED SUBSTANCES. JOCKEY CLUB
HIPÓDROMO DE SAN ISIDRO*



THANK YOU

ANY QUESTIONS??