



## Horsemen's Educational Presentation



# Horseracing Integrity & Safety Authority

Chair: Charlie Scheeler  
Steve Beshear  
Adolpho Birch  
Len Coleman  
Joe DeFrancis\*  
Ellen McClain\*  
Dr. Sue Stover  
Bill Thomason\*  
D G Van Clief\*

Furosemide  
Advisory  
Committee

TBA

Safety Committee

Chair: Dr. Sue Stover  
Dr. Noah Cohen  
Dr. Lisa Fortier  
Glen Kozak\*  
Dr. Carl Mattacola  
Pat Reilly\*  
John Velazquez \*

Anti-Doping  
& Medication Control

Chair: Adolpho Birch  
Dr. Jeff Blea\*  
Dr. Lynn Hovda\*  
Barry Irwin\*  
Dr. Stephen Schumacher  
Kathleen Stroia  
Dr. Jerry Yon

## HISA—People you should know

Lisa Lazarus

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Mandy Minger

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\*Industry Representative

# Horseracing Integrity & Welfare Unit (HIWU)

## Division of Drug Free Sport International (DFSI)

- DFSI manages ADMC programs for > 300 organizations including NFL, MLB, NBA, NHL, PGA, LPGA, NASCAR, NCAA
- Annually conducts ~ 135,000 tests worldwide
- Our Team has backgrounds in:
  - Anti-Doping
  - Compliance & Policy Development
  - Education & Training
  - Horseracing
  - Investigations
  - Legal
  - Results Management
  - Veterinary Science / Medicine

# HIWU—contracted by HISA to implement ADMC program

Ben Mosier

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Mary Scollay, DVM

Chief of Science  
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## HIWU Staff bringing Horseracing Expertise:

- Dr. Patti Marquis, Director of Equine Medical Resources
- Shawn Loehr, Director of Investigative Operations
- Shaun Richards, Director of Intelligence & Strategy
- Stephanie Jenson, Director of Education
- Alexa Ravit, Director of Communications & Outreach

# HIWU's Mandate

- Independent Enforcement Agency
  - Ensure Compliance with the Rules... Including HIWU!
- Responsibilities
  - Education
  - Testing Operations
  - Investigations
  - Results Management & Adjudication
  - Laboratory Accreditation

## Horseracing Integrity & Safety Act requires:

*...international anti-doping and medication control standards of the International Federation of Horseracing Authorities (IFHA) and the Principles of Veterinary Medical Ethics of the American Veterinary Medical Association.*

# International Federation of Horseracing Authorities (IFHA)

IFHA publishes Detection Times not withdrawal guidance.

## Detection Time

The first sampling time point at which the concentration of the drug, in all the horses in the study was below the screening limit for the drug.

Determination of a withdrawal interval requires extension of the Detection Time.

## Withdrawal Guidance

A recommendation based on a statistical method applied to the concentrations of a drug in a group of horses at a specified time point.

The statistical calculation applied builds a margin of safety into the withdrawal guidance.

Both are specific to a dose, dosing protocol, and route of administration.



*Horseracing Integrity & Safety Act affords  
the Anti-Doping & Medication Committee (ADMC) some latitude to  
deviate from IFHA Article 6 of the International Agreement on  
Breeding, Racing and Wagering (IABRW)*

ADMC added Detection Times (DTs) and Screening Limits (SLs) for:

Cetirizine (*Zyrtec*)

Glycopyrrolate (*Robinul*)

Methocarbamol (*Robaxin*)

Revised DT (*48 hrs*) and SL for procaine penicillin  
consistent with existing ARCI Model Rules

# The Prohibited List

Banned Substances (S0-S6)

and

Controlled Medication Substances (S7)

# Controlled Medication Substances - S7

**Restricted administration time:**

**48 hours prior to a horse's scheduled post time**

# Exceptions--substances permitted up to 24 hours:

**Vitamins**, administered orally

**Anti-ulcer medications** - *specifically cimetidine (Tagamet), omeprazole (Gastrogard/Ulcergard) & ranitidine*

**Unsupplemented, isotonic electrolyte solutions**, administered intravenously or orally (*e.g. via nasogastric tube*)

**Altrenogest (Regumate)** - *in fillies and mares only*

**Antimicrobials** - *excluding procaine penicillin or other agents containing, or metabolizing to, Prohibited Substances*

**Anthelmintics** - *excluding levamisole or other agents containing or metabolizing to Prohibited Substances*

**Licensed vaccines** against infectious agents

# Nasogastric tube

Use prohibited within  
24 hours of a race



Unsupplemented isotonic electrolyte solutions may be consumed by free choice at any time.



# NSAIDs

- 48-hour Detection Time applied to 1 of 3:
  - Bute, Banamine, or Ketofen
- All others-IFHA Detection Times apply
  - Flunixin 144 hours (6 days)
  - Ketoprofen 96 hours (4 days)
  - Phenylbutazone 168 hours (7 days)
- Prohibition on Stacking (detection of > 1 NSAID in a sample)
- Remember:
  - Dipyrone
  - DMSO
  - Meclofenamic acid (Arquel)

# Thresholds & Screening Limits: What you need to know

- Thresholds established only for endogenous substances—those occurring naturally in the horse (e.g. Testosterone)
- Screening Limits published for subset of Controlled Medication Substances and Environmental or Dietary Substances
  - Screening Limit  $\neq$  Threshold
  - Value used by laboratory to trigger confirmatory analysis
  - If confirmatory analysis establishes an unequivocal identification, then laboratory reports the Adverse Analytical Finding.



# Banned Substances

- Prohibited at all times: Prescribing, possessing, distributing, administering, and/or presence in a horse's sample
- Controlled by:
  - Testing: Post race / Post official (Vets' List) work  
Out of competition testing
  - Document review (e.g. treatment reports)
  - Surveillance
  - Vehicle / Premise Inspections
  - Intelligence received / Investigations
- Relevant matrices: Blood, urine, hair

# Banned Substances

- S0: Lacking FDA approval or not recognized as having valid use in the horse
- S1: Anabolic agents
- S2: Peptides & growth factors (*HCG & LH in male horses*)
- S3: Beta-2 agonists (*Conditional use for clenbuterol. Albuterol permitted by inhalation only*)
- S4: Hormones & Metabolic Modulators (*thyroxine; altrenogest [in male horses]*)
- S5: Diuretics (*Permitted: furosemide, trichlormethiazide [compounded Naquasone]*)
- S6: Miscellaneous (*Bisphosphonates, Pitcher Plant extract*)

# Banned substances of note

- Isoxsuprine
- Sarapin (Pitcher Plant Extract)
- Ammonium chloride
- Carbazochrome (Kentucky Red)

Substances approved in other countries, but NOT the US *(e.g. Ambroxol, Dembrexine, Vedaprofen)*

# Compounding is permitted

...when compliant with the Animal Medicinal Drug Use Clarification Act and the FDA Guidance for Industry #256 (Compounding Animal Drugs from Bulk Drug Substances) are not prohibited under SO.

Extra-label use:

Refers to the use of an approved drug in a manner that is not in accordance with the approved label directions.

Is limited to circumstances when the health of an animal is threatened, or suffering or death may result from failure to treat.

Convenience or cost control: Neither is accepted by FDA as justification for compounding.

# Specified Substances

**FEI:** Substances which are **more likely** to have been ingested by Horses for a purpose other than the enhancement of sport performance, for example, through a **contaminated** food substance.



Aminorex	Hordenine	Scopolamine
Bufotenine	Lobeline	Sparteine
Caffeine	Meconine	Synephrine
Cannabinoids	Morphine	Thebaine
Colchicine	Muscarine	Theobromine
Demecolcine	Oripavine	Theophylline
Dimethyltryptamine	Papaverine	Zilpaterol
Ergotamine	Paraxanthine	
Glaucine	Ractopamine	



# Atypical Findings Policy

- If detected in the Sample of a Covered Horse, the following Prohibited Substances shall be investigated or reviewed as Atypical Findings:
  - (a) Specified Substances;
  - (b) endogenous substances;
  - (c) Substances not specifically listed in the Prohibited List or Technical Document may also be reported as Atypical Findings.

# Vitamins are not drugs; they are not subject to FDA-approval requirements.

- The Federal Food, Drug, and Cosmetic Act defines a dietary ingredient as a vitamin; mineral; herb or other botanical; amino acid...
- Unlike drugs, *supplements are not intended to treat, diagnose, prevent, or cure diseases.* That means supplements should not make claims, such as “reduces pain” or “treats heart disease.” Claims like these can only legitimately be made for drugs, not dietary supplements.
- Dietary supplements include such ingredients as vitamins, minerals, herbs, amino acids, and enzymes.
- **HOWEVER**, the FDA can take action to remove products from the market, but the agency must first establish that such products are adulterated (e.g., that the product is unsafe) or misbranded (e.g., that the labeling is false or misleading).

# Environmental and Dietary Contaminants

What they are.

- Substances arising from plants traditionally grazed or harvested as equine feed.
- Substances in equine feed arising from contamination during cultivation, processing or treatment, storage, or transportation.





# Vets' List works

- Medications controlled consistent with post-race requirements.
- Exception: Furosemide may be present in any horse's sample other than on race day.
- Vets' List work appointments must be made a minimum of 48 hours prior to the desired date and time.
- Positive test will be pursued as a rule violation.
- First Vets' List work in a 12-month period: No charge
  - Fee for testing associated with any subsequent Vets' List tests for that horse within a 12-month period

# Routine (non-Vets' List) works

- Sampling performed within 1 hour after a breeze
  - Intra-articular corticosteroids prohibited within 7 days of a work
  - NSAIDs prohibited within 48 hours of a work
  - Local anesthetics and other analgesics controlled consistent with post-race requirements.

Other Controlled medications (*e.g. dantrolene [Dantrium], methocarbamol [Robaxin]*) are not regulated for routine breezes.

- Positive test will be pursued as a rule violation.

# Intra-articular Injections/ Corticosteroids

- Racing and Vets' List works:
  - 14 day stand down for ALL IA injections (including IA diagnostic anesthesia)
    - A withdrawal interval > 14 days may be appropriate depending on specific joints, and # of joints, treated.
  - Prohibition on stacking of corticosteroids.
- Routine works:
  - 7 day stand down for IA corticosteroids
  - CCS may be administered at < 7 days by other routes of administration
  - CCS controlled by Screening Limits:
    - Betamethasone 10 pg/mL
    - Isoflupredone 100 pg/mL
    - Triamcinolone 100 pg/mL
    - Dexamethasone 5 pg/mL
    - Methylprednisolone 100 pg/mL

NOTE: 180-day stand down period for IA polyacrylamide hydrogels (e.g. Arthramid & Noltrex)

# Lasix

- Controlled ONLY in post-race samples.
- 48-hour Restricted Administration Time for horses not eligible to receive race day Lasix.
- Permitted at all other times, in all horses—including 2 yos and Stakes horses.
- Timing of Lasix administration (other than on race day) is not regulated.

# Clearance Testing

- Request made by practicing veterinarian via HIWU portal a minimum of 48 hours prior to desired sampling date/time
- HIWU will consult horse's electronic treatment records to verify treatment and approve testing
- Targeted analysis for specific declared Controlled medication(s)
- Sampling performed by HIWU personnel
- Blood and urine collected
- Fee for service; payment required before results will be released
- Lasix not regulated, but strongly advise no Lasix < 3 hours of work to ensure valid results of urine analysis

# Out of Competition Testing

- Subject to testing: Covered Horses, in or out of training
- Scope of analysis: Banned substances. (Controlled medications are not regulated by Out of Competition Testing.)
- Relevant matrices: Blood, urine, hair
- No advance notice required
- For the purpose of sample collection from a horse located on private property, if the RP does not wish to provide access to the facility, the horse can be made available elsewhere at a mutually agreed upon location.
- The Responsible Person has the obligation to make the horse available for testing.

# Test Results

Final post-race testing results due 10 business days after sample receipt – An extension can be requested by the laboratory and approved, if warranted.

Vets' List testing: Cleared results due 5 business days after sample receipt

# Split Sample Analysis

- HIWU selects split sample laboratory
- Payment through HISA portal required before sample ships



# Controlled Substance (S7) Violation



## Mandatory DQ

No mandatory period of ineligibility for horse

Horse may be placed on the Veterinarians' List.

If so, a Vets' List Work must be scheduled.

Post-Vets' List Work testing may be required.

### Responsible Person (1<sup>st</sup> violation)

Violation	Time	\$\$\$
Presence, use, administration- <u>Class A</u>	60 days	Up to \$5 k or 5% of total purse
Presence, use, administration- <u>Class B</u>	30 days	Up to \$1 k
Presence, use, administration- <u>Class C</u>	0 days	Up to \$500
Controlled Method	60 days	Up to \$5 k or 5% of total purse
Use contrary to horse welfare	60 days	Up to \$5 k or 5% of total purse
Possession not in compliance with state/federal law	0 days + Referral to relevant state or federal authority	Up to \$500
Complicity	Same consequences as for Responsible Person (consideration of aggravating/mitigating factors)	

# Retiring Horses

- Owner notifies HIWU
  - Horse is removed from testing pool
  - Default retirement-no work or race in 18 months
  - Owner can dispute default retirement
- Unretirement
  - Owner notifies HIWU
  - Horse must be made available for testing 4 months before it generates a published work (or is entered)
  - HIWU can reduce 4 months to 2 if credible information warrants



THE JOCKEY CLUB  
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LEXINGTON, KY 40503-2794  
(859) 224-2700 (800) 444-8521  
registry.jockeyclub.com

## SOLD AS RETIRED FROM RACING



THIS FORM SHOULD BE USED IN CONNECTION WITH A SALE WHERE THE SUBJECT THOROUGHBRED IS TO BE CONSIDERED PERMANENTLY RETIRED FROM RACING.

### INSTRUCTIONS FOR SOLD AS RETIRED FROM RACING

1. Within 60 days after the date of sale, Seller and Purchaser complete this form and sign in ink. Both signatures must be notarized. Please refer to Rule 18 in the *Principal Rules and Requirements of the American Stud Book*.
  2. Enclose Certificate of Foal Registration.
  3. Enclose four (4) color photographs (front, both sides and rear views).
- UPON RECEIPT IN THE REGISTRY OFFICE WITHIN 60 DAYS FROM THE DATE OF THE SALE AND COMPLIANCE WITH ALL REQUIREMENTS, THE CERTIFICATE OF FOAL REGISTRATION WILL BE STAMPED "RETIRED FROM RACING" AND RETURNED TO THE PURCHASER (ADDRESS BELOW).

#### A. HORSE INFORMATION:

NAME OF HORSE: \_\_\_\_\_ REG. NO.: \_\_\_\_\_  
DAM'S NAME: \_\_\_\_\_ DATE SOLD: \_\_\_\_\_

#### B. SELLER INFORMATION:

Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
Telephone: \_\_\_\_\_ Email: \_\_\_\_\_  
( )

#### C. PURCHASER INFORMATION:

Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
Telephone: \_\_\_\_\_ Email: \_\_\_\_\_  
( )

**D. SIGNATURE AND CERTIFICATION OF SELLER:** By executing this document I represent that it is my intention to designate the above-referenced Thoroughbred as permanently Retired from Racing pursuant to Rule 18 of the *Principal Rules and Requirements of the American Stud Book* and I understand my designation is irrevocable. I further represent that I am the seller or authorized agent of the seller of the horse described on this form and that I have full authority to execute this form and to receive related documents from The Jockey Club. I, for myself and on behalf of the seller: (a) represent that all information supplied on this form, including date sold, and the name and address of the seller, are truthful, complete and accurate; (b) represent that I have read, understand, and have complied with the *Principal Rules and Requirements of The American Stud Book* ("Rules"); and (c) agree, with respect to all issues regarding the horse and information on this form related in any way to The Jockey Club, to be subject to and bound by the Rules, including, without limitation, Rule 19 (Deceptive Practices), Rule 20 (Appeals and Hearings), and Rule 21 (General Rules).

SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

PRINT NAME \_\_\_\_\_

#### NOTARIZATION OF SELLER'S SIGNATURE:

NOTARIZATION: (My Commission Expires On) \_\_\_\_\_ (Signature of Notary Public) \_\_\_\_\_

COUNTY \_\_\_\_\_ STATE \_\_\_\_\_

SUBSCRIBED AND SWORN TO BEFORE ME THIS \_\_\_\_\_ Day of \_\_\_\_\_, 20\_\_\_\_ SEAL

**E. SIGNATURE AND CERTIFICATION OF PURCHASER:** By executing this document I represent that it is my intention to designate the above-referenced Thoroughbred as permanently Retired from Racing pursuant to Rule 18 of the *Principal Rules and Requirements of the American Stud Book* and I understand my designation is irrevocable. I further represent that I am the purchaser or authorized agent of the purchaser of the horse described on this form and that I have full authority to execute this form and to receive related documents from The Jockey Club. I, for myself and on behalf of the purchaser: (a) represent that all information supplied on this form, including date sold, and the name and address of the purchaser, are truthful, complete and accurate; (b) represent that I have read, understand, and have complied with the *Principal Rules and Requirements of The American Stud Book* ("Rules"); and (c) agree, with respect to all issues regarding the horse and information on this form related in any way to The Jockey Club, to be subject to and bound by the Rules, including, without limitation, Rule 19 (Deceptive Practices), Rule 20 (Appeals and Hearings), and Rule 21 (General Rules).

SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

PRINT NAME \_\_\_\_\_

#### NOTARIZATION OF PURCHASER'S SIGNATURE:

NOTARIZATION: (My Commission Expires On) \_\_\_\_\_ (Signature of Notary Public) \_\_\_\_\_

COUNTY \_\_\_\_\_ STATE \_\_\_\_\_

SUBSCRIBED AND SWORN TO BEFORE ME THIS \_\_\_\_\_ Day of \_\_\_\_\_, 20\_\_\_\_ SEAL

Jockey Club—Retired from Racing

Equibase / InCompass info blocked.

You can't select this horse because it has either been sold without pedigree, retired from racing or has a cancelled certificate.

OK

# HIWU availability for stakeholder engagement

In person meetings  
Zoom meeting  
Recorded webinars  
Printed materials

Contact: [Sjenson@hiwu.org](mailto:Sjenson@hiwu.org) with requests

# Questions?

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