

RCI Controlled Therapeutic Medication Schedule

(revised April 13, 2016)

Withdrawal times are recommended guidelines and reliance on these guidelines is not a guarantee of compliance with IRB medication rules (see 11 Illinois Administrative Code 603). The official test samples may contain the following therapeutic medications in concentrations less than the threshold levels:

ACEPROMAZINE

Withdrawal Guideline: 48 hours
Threshold: 10 ng/ml as 2-(1-hydroxyethyl) promazine sulfoxide (HEPS) in urine.
Dosing Specifications: Single IV dose of acepromazine at 0.05 mg/kg.

ALBUTEROL

Withdrawal Guideline: 72 hours
Threshold: 1 ng/ml in urine.
Dosing Specifications: 720 mcg total dose intra-nasal only. Based upon dosing up to 4 times per day. Administration other than via intra-nasal is not recommended.

BETAMETHASONE

Withdrawal Guideline: 7 days
Threshold: 10 pg/ml in serum or plasma.
Dosing Specifications: IA administration of 9 mg of Betamethasone Sodium Phosphate and Betamethasone Acetate Injectable Suspension, USP (American Regent product #0517-0720-01). IM administration of betamethasone acetate will result in serum or plasma concentrations that will exceed the threshold level for weeks or even months.

BUTORPHANOL

Withdrawal Guideline: 48 hours
Threshold: 300 ng/ml of total butorphanol in urine.
Dosing Specifications: Single IV dose of butorphanol as Torbugesic® (butorphanol tartrate) at 0.1 mg/kg.

CLENBUTEROL

Withdrawal Guideline: 14 days for Thoroughbred and Quarter horses and 4 days for Standardbred horses.

Threshold: 140 pg/ml in urine for Thoroughbred and Quarter Horses
Limit of Detection (which is not less than 10 pg/ml) in serum or plasma for Standardbred horses.

Dosing Specifications: Oral administration of clenbuterol as Ventipulmin® syrup (Boehringer-Ingelheim Vetmedica Inc., NADA 140-973) at 0.8 mcg/kg twice a day.

DANTROLENE

Withdrawal Guideline: 48 hours

Threshold: 100 pg/ml of 5-hydroxydantrolene in serum or plasma.

Dosing Specifications: Oral administration of 500 mg of dantrolene as paste (compounding pharmacy) or capsule formulation (Proctor and Gamble).

DETOMIDINE

Withdrawal Guideline: 72 hours

Threshold: Limit of Detection in plasma.

Dosing Specifications: Single sublingual dose of detomidine (Domosedan® gel at 40 mcg/kg).

DEXAMETHASONE

Withdrawal Guideline: 72 hours

Threshold: Limit of Detection (which is not less than 5 pg/ml) in serum or plasma.

Dosing Specifications: IM and IV administration of dexamethasone sodium phosphate or oral administration of dexamethasone at 0.05 mg/kg, regardless of route.

DICLOFENAC

Withdrawal Guideline: 48 hours

Threshold: 5 ng/ml in serum or plasma.

Dosing Specifications: Five inch ribbon topical application of 1% diclofenac liposomal cream formulation (SurpassTopical Anti-Inflammatory Cream, IDEXX Pharmaceuticals).

DIMETHYL SULFOXIDE (DMSO)

Withdrawal Guideline: 48 hours
Threshold: 10 mcg/ml in serum or plasma.
Dosing Specifications: IV administration.

FIROCOXIB

Withdrawal Guideline: 14 days
Threshold: 20 ng/ml in serum or plasma.
Dosing Specifications: Oral administration of firocoxib as EQUIOXX oral paste at a daily dose of 0.1 mg/kg for four days.

FLUNIXIN

Withdrawal Guideline: 32 hours
Primary Threshold: 20 ng/ml in serum or plasma.
Secondary Anti-Stacking Threshold: 3 ng/ml in serum or plasma.
Dosing Specifications: Single IV dose of flunixin as Banamine® (flunixin meglumine) at 1.1 mg/kg.

FUROSEMIDE

Withdrawal Guideline: 4 hours
Threshold: 100 ng/ml in serum or plasma and specific gravity in urine less than 1.010.
Dosing Specifications: Single IV dose of furosemide up to 500 mg.

GLYCOPYRROLATE

Withdrawal Guideline: 48 hours
Threshold: 3 pg/ml in serum or plasma.
Dosing Specifications: Single IV dose of 1 mg of glycopyrrolate as Glycopyrrolate Injection, USP (American Regent product #0517-4601-25).

ISOFLUPREDONE

Withdrawal Guideline: 7 days
Threshold: 100 pg/ml in serum or plasma.
Dosing Specifications: 10 mg total dose subcutaneous or 20 mg total dose in one articular space.

KETOPROFEN

Withdrawal Guideline: 24 hours
Primary Threshold: 2 ng/ml in serum or plasma.
Secondary Anti-Stacking Threshold: 1 ng/ml in serum or plasma.
Dosing Specifications: Single IV dose of ketoprofen as Ketofen® at 2.2mg/kg.

LIDOCAINE

Withdrawal Guideline: 72 hours
Threshold: 20 pg/ml of total 30H-lidocaine in serum or plasma.
Dosing Specifications: 200 mg of lidocaine as its hydrochloride salt administered subcutaneously.

MEPIVACAINE

Withdrawal Guideline: 72 hours
Threshold: 10 ng/ml of total hydroxymepivacaine in urine.
Dosing Specifications: Single 0.07 mg/kg subcutaneous dose of mepivacaine.

METHOCARBAMOL

Withdrawal Guideline: 48 hours
Threshold: 1 ng/ml in serum or plasma.
Dosing Specifications: Single IV dose of 15 mg/kg methocarbamol as Robaxin® or 5 grams orally. There is a potential for reaction when methocarbamol is administered with phenylbutazone.

OMEPRAZOLE

Withdrawal Guideline: 24 hours
Threshold: 10 ng/ml in serum or plasma.
Dosing Specifications: 1 tube (2.2 grams) once daily for four doses.

PHENYLBUTAZONE

Withdrawal Guideline: 24 hours
Primary Threshold: 2 mcg/ml in serum or plasma.
Secondary Anti-Stacking Threshold: 0.3 mcg/ml in serum or plasma.
Dosing Specifications: Single IV dose of phenylbutazone at 4.0 mg/kg.

PREDNISOLONE

Withdrawal Guideline: 48 hours
Threshold: 1 ng/ml in serum or plasma.
Dosing Specifications: 1 mg/kg orally.

PROCAINE PENICILLIN

(mandatory notification to the IRB at time of administration)

Withdrawal Guideline: Shall not be administered after the horse is entered to race.
Threshold: 25 ng/ml of procaine in serum or plasma.
Dosing Specifications: IM administration.

TRIAMCINOLONE ACETONIDE

Withdrawal Guideline: 7 days
Threshold: 100 pg/ml in serum or plasma.
Dosing Specifications: Total dose of 9 mg in one articular space. IM administration of triamcinolone acetonide will result in serum or plasma concentrations that will exceed the threshold level for weeks or even months.

XYLAZINE

Withdrawal Guideline: 48 hours
Threshold: 200 pg/ml in serum or plasma.
Dosing Specifications: 200 mg IV administration.

ABBREVIATIONS:

kg – kilogram	mcg – microgram	IA – intra-articular
mg – milligram	ml – milliliter	IM - intramuscular
ng – nanogram	pg – picogram	IV – intravenous