

ZERO-HOUR WITHDRAWAL					
Medication	Dose reference	WD hours	Washout hours	Type / target	Conflicts
Acetaminophen / Tylenol	25-27 x 500 mg tablets / 1,000 lb	0	0	Fever / nerve pain	
Albuterol / Salbutamol	0.02 mg/kg inhaled	0	48	Respiratory	Clenbuterol, Tri-Hist, dexamethasone
Aspirin	10-15 mg/kg	0	0	Fever / nerve pain	
Benoxinate	Consult veterinarian	0	0	Ophthalmic anesthetic	
Bromfenac	Consult veterinarian	0	0	Ophthalmic NSAID	
Cetirizine / Zyrtec	0.1-0.2 mg/kg	0	24	Allergy	Ivermectin
Firocoxib / Equioxx	0.1 mg/kg; daily maintenance; no loading doses	0	48	Arthritis	Bute, Banamine, Ketofen
Isoxsuprine	1-2 mg/kg	0	0	Vasodilator	
Pergolide / Prascend	Starting 2 mcg/kg orally once daily	0	48	Metabolic conditions	Acepromazine
Altrenogest / Regumate	0.044 mg/kg	0	0	Hormone therapy	

6-12 HOUR WITHDRAWAL					
Medication	Dose reference	WD hours	Washout hours	Type / target	Conflicts
Banamine - half dose	Half of 1.1 mg/kg full dose, IV/oral	6	48	Soft tissue / organs / eye	Bute, Equioxx, Ketofen
Banamine - full dose	1.1 mg/kg once daily, IV/oral	12	48	Soft tissue / organs / eye	Bute, Equioxx, Ketofen
Bute - half dose	One-half of the prescribed full dose	6	48	Bone / joint / soft tissue	Banamine, Equioxx, Ketofen
Bute - full dose	2.2-4.4 mg/kg, oral/IV	12	48	Bone / joint / soft tissue	Banamine, Equioxx, Ketofen
Dexamethasone	0.05 mg/kg, IV/IM	12	168	Allergy / respiratory	Corticosteroids, clenbuterol, albuterol
Diclofenac / Surpass	Topical 5-inch ribbon	6	48	Topical NSAID	DMSO
Ketoprofen / Ketofen	1 mL / 100 lb IV (100 mg/mL product)	12	48	NSAID pain relief	Bute, Banamine, Equioxx
Methocarbamol	4.4-22 mg/kg, IV or oral	12	48	Muscle relaxant	Gabapentin, sedatives

24+ HOUR WITHDRAWAL					
Medication	Dose reference	WD hours	Washout hours	Type / target	Conflicts
Acepromazine	1-2 mL IV; verify product strength with veterinarian	48	72	Sedative	Prascend, other sedatives
Butorphanol / Torbugesic	0.02 mg/kg, IV/IM	48	72	Sedative	Other sedatives
Clenbuterol	0.5 mL / 100 lb; verify product with veterinarian	50	72	Respiratory	Albuterol, Tri-Hist, dexamethasone, antihistamines
Dantrolene / Dantrium	2 mg/kg orally	24	48	Muscle relaxant	Gabapentin, sedatives, muscle relaxants
Detomidine / Dormosedan	0.02-0.04 mg/kg, IV/IM	24	72	Sedative	Other sedatives
Gabapentin	10 mg/kg orally	24	72	Nerve pain	Methocarbamol, sedatives
Romifidine / Sedivet	0.04-0.12 mg/kg, IV/IM	48	72	Sedative	Other sedatives
Tri-Hist	1 scoop granules; verify product scoop with veterinarian	24	72	Allergy	Clenbuterol, albuterol, antihistamines
Xylazine / Rompun	0.05-1 mg/kg, IV/IM	48	72	Sedative	Other sedatives

ESC concentration guidance: Banamine: full dose / 12 hours, 35 ng/mL; half dose / 6 hours, 150-300 ng/mL; 48-hour NSAID-switching limit, 5 ng/mL. Bute: single use / 12 hours, 5-15 mcg/mL; half dose / 6 hours, 2-5 mcg/mL; 48-hour NSAID-switching value, 60 ng/mL. Equioxx: allowed daily maintenance with zero withdrawal, maximum 250 ng/mL; 48-hour washout/withdrawal threshold, 110 ng/mL. No loading doses.

Withdrawal and washout: Withdrawal is the interval between administration and competition. Washout relates to clearing a medication before switching or combining treatment. Multiple medications can extend the necessary interval. Consult the treating veterinarian.

Medication reports: The original guide groups zero-hour and 6-12-hour entries as generally not requiring a report; exceptions apply, including medication combinations. Its 24+ hour group requires a medication report. See the current ESC medication entry for full reporting guidance.

Veterinary prescribing: Reference information only; not intended to diagnose or prescribe. All medications used at an ESC-sanctioned event must be prescribed by a licensed veterinarian. The veterinarian determines the product, strength, dose, route and treatment plan. Conflicts listed are not exhaustive.

Sources: Medication list and remaining reference entries retained from the original ESC pocket guide. Banamine, Bute and Equioxx values are from the ESC medication database, September 18, 2026. Prascend unit corrected to mcg/kg from its product label; Ketofen is ketoprofen, not Toradol (ketorolac).

ESC Medication Library - full medication information