

DRUG	TRADE NAME	INDICATION
Acetazolamide	Diamox	HYPP, hyperkalemia
ACTH (aqueous)	Cortrosyn	ACTH-test
ACTH (depot)	Adrenomone	Premature foals
Acyclovir	Zovirax	Herpes virus infection
Albuterol	Proventil	bronchodilator
Allopurinol	Zyloprim	prevention of free radical formation
Amikacin	Amiglyde	aminoglycoside
Aminocaproic acid	Amikar	Anti-hemorrhage, blocks plasminogen
Aminophylline	Theophylline	respiratory distress
Amiodarone	Cordarone	refractory ventricular arrhythmias

DOSE	FREQ.	ROUTE	REMARKS
2-4 mg/kg	q6-12h	PO	
0.1 ug/kg	Once	IV,IM	
0.25-0.4 mg/foal	12 h	IM	See chapter on Prematurity for more options
10-20 mg/kg	q6h	PO	Poor oral bioavailability
2 puffs/foal	q4h	inhaler	Tachycardia may occur
40 mg/kg	Once	PO	Experimental. Do not use prior to 24 hr of age
20-25 mg/kg	q24h	IV	Monitor kidney parameters
10-70 mg/kg	q6-12 hr	IV slowly	
3-5 mg/kg 4-7 mg/kg	12 hr 12 hr	IV PO	If assay available, maintain plasma concentrations of a 5-20µg/ml. Levels may increase when on highly protein bound drugs
5-7 mg/kg	IV		Hypothyroidism reported in humans

DRUG	TRADENAME	INDICATION
Amoxicillin	Amoxil	β -lactam antibiotic
Ampicillin	Amp-equine	β -lactam antibiotic
Atropine SO ₄	Bradycardia	Bronchoconstriction
Azathioprine	Imuran	immunosuppressant
Azithromycin	Zithromax	macrolide antibiotic
Barium sulfate		x-ray contrast
Beclomethasone	Beclovent	inhalational steroid
Bethanecol	Urecholine	Bladder atony, GI prokinetic
Bismuth-subsalicylate	Peptobismol	Gastritis, diarrhea, enteritis
Bretylium	Tosylate	ventricular fibrillation
Butylscopolamine	Buscopan	spasmolytic
Butorphanol	Stadol, Torbugesic	Analgesia

DOSE	FREQ.	ROUTE	REMARKS
10-30 mg/kg	8-12 h	PO	
11-22 mg/kg	8-12 h	IV	
0.01-0.04 mg/kg	Once	IM,IV	Use if bradyarrhythmia, bronchoconstriction present. Can cause ileus
1-3 mg/kg	q24h	PO	If glucocorticoids failed
10 mg/kg	q24h	PO	Can cause diarrhea, hyperthermia
3 mg/kg		PO	Do not use if leakage may occur
1-2 ug/kg, 1-4 puffs	q12-24hr	inhaler	
GI: 0.025mg/kg Bladder atony: 0.07mg/kg	q8hr q8hr	SC PO	Sweating, colic may occur with larger doses
4.5 ml/kg	q4-12hr	PO, via NGT	Causes dark feces
5-10 mg/kg	every 5-10 min	IV	Do not exceed 30-35 mg/kg
0.2-0.3 mg/kg	q8hr		May cause tachycardia Blocks neostigmine
0.01-0.1 mg/kg 0.0237mg/kg/min	q4 hr , as a CRI	IV, IM IV	Ataxia, tremor may occur. Increases feeding.

DRUG	TRADENAME	INDICATION
Ca-EDTA		Lead toxicity, chelator, corneal ulcer
Caffeine	No-Doz	Respiratory stimulant
Calcium borogluconate		Hypocalcaemia
Cefazolin	Ancef	1 st gen. cephalosporin
Cefepime	Axepime	4 th gen. cephalosporin
Cefquinome	Cefaguard	4 th gen cephalosporin
Cefotaxime	Claforan	3 rd gen. cephalosporin
Ceftazidime	Fortaz	3 rd gen. cephalosporin
Ceftiofur	Naxcel	3 rd gen. cephalosporin
Ceftriaxone	Rocephine	3 rd gen. cephalosporin
Cephalexine	Keflex	1 st gen. cephalosporin
Cephalothin	Keflin	1 st gen. cephalosporin
Chloramphenicol	Chloromycetin	Antibiotic
Charcoal	(activated)	Diarrhea, toxin absorption
Ciprofloxacin	Cipram	Flouroquinolone

DOSE	FREQ.	ROUTE	REMARKS
0.2 ml/eye	q4h	Topical	inhibits proteolytic enzyme activity
10 mg/kg initial 2.5mg/kg	q12 h	PO	for "dummy foals" with hypoventilation
150- 250mg/kg (0.5-2 ml/kg 23% solution)	q12h	IV slowly	Do not mix with bicarbonate
15-20 mg/kg	q6-q8h	IV	Gram+ activity.
11 mg/kg	q8h	IV	High potency, costly
1-1.5 mg/kg	q24h	IV	Broad spectrum.
20-40 mg/kg	q6-q8h	IV	Coslty, broad spectrum.
20-50 mg/kg	q6h- q12h	IV	Broad spectrum, expensive.
4.4-10 mg/kg	q12hr	IV, SC, IM	Higher dose for young foals (<1-3 months).
25-50 mg/kg	q12h	IV	Broad spectrum antibiotic.
25mg/kg	q6h	PO	Gram+ spectrum
20 mg/kg	q6h	IV, IM	Gram+ spectrum
25 mg/kg 44-50 mg/kg	q6h q6-q8h	IV PO	Wear gloves, human aplastic anemia concern
1-2 oz/45 kg		PO	mix with warm water via NGT.
5mg/kg	q24h	IV	Maybe cause cartilage damage

DRUG	TRADENAME	INDICATION
Clarithromycin	Biaxin	Macrolide antibiotic.
Clenbuterol	Ventipulmin	Bronchodilator.
Dexamethasone	Azium - SP, Dex-A-Vet	Anti-inflammatory.
Desferrioxamine		Iron toxicity.
Detomidine	Dormosedan	Sedation, analgesia.
Dextran	Gentran	Synthetic colloid.
Dextrose		Hypoglycaemia, hyperkalemia.
Diazepam	Valium	Seizures, sedation, appetite stimulant.
Digoxin	Lanoxin	Cardiac failure, supraventricular arrhythmias.
Di-Trioctahedral smecticide	Biosponge	GI absorbent.
Diphenylhydramine	Benadryl	Antihistamine.
Dipyron	Dipyron, Novin	Colic, pyrexia.
Dobutamine		Hypotension (shock).
Dopamine		Hypotension (shock). Anuric acute renal failure

DOSE	FREQ.	ROUTE	REMARKS
10mg/kg	q24h	PO	may cause diarrhea, hyperthermia
0.8 µg/kg	12 hr	PO	
0.05-0.2 mg/kg	q12-24 hr	IV	SID dosing in the morning
10 mg/kg	q12hr	IV	May be useful in NI
0.005-0.04mg	as needed	IV	High doses for IM only, cause ileus.
2.5-10 ml/kg	q48hr	IV	Concern w/ Coagulopathies.
2.5-8 mg/kg/min	as CRI	IV	Monitor blood glucose
0.05-0.2 mg/kg	q4hrs	IV	Respiratory depression
0.0022-0.0077 mg/kg	q12h	IV	Can cause depression, colic, AV-block
60 ml/foal	q4-12hr	PO	
0.5-2 mg/kg	Q12-24hr	IV, IM	Hypotension.
10-20 mg	q12-q24hr	IV	May cause GI ulcers
2-10 µg/kg/min	as a CRI	IV	Use as infusion after correcting hypovolemia
1-10 µg/kg/min	as a CRI	IV	Dilute it to 400 µg/ml in saline Incompatible with alkaline solutions

DRUG	TRADENAME	INDICATION
Doxapram HCl	Dopram-V	Respiratory stimulant.
Doxycycline	Vibramycin	Antibiotic.
Doxylamine	A-H solution	Antihistamine.
Enalapril	Vasotec	ACE blocker.
Enilconazole		Antifungal
Enrofloxacin	Baytril	Fluoroquinolone.
Epinephrine		Resuscitation. Anaphylaxis
Erythromycin		Macrolide antibiotic, GI prokinetic
Famotidine	Pepcid	H ₂ blocker, GI ulceration
Fenbendazole	Panacur	Anthelmintic, fibrinolytic
Fentanyl patch	Duragesic	Opioid analgesic
Firocoxib	Equioxx	COX-2 blocker, NSAID
Fluconazole	Diflucan	Antifungal
Flunixin-meglumine	Banamine	Anti-inflammatory Endotoxemia, Colic
Furosemide	Lasix	Promoting diuresis
Gabapentin	Neurontin	Neuropathic pain
Gentamicin	Gentocin	Aminoglycoside

DOSE	FREQ.	ROUTE	REMARKS
0.2-0.5 mg/kg 0.01-0.05 mg/kg/min		IV	If mechanical ventilation is not possible
5-10 mg/kg	q12h	PO	Can cause diarrhea!
0.5 mg/kg	q12h	IV	Hypotension risk
0.25-0.5mg/kg	12-24h	PO	
0.2% solution	q12-q24h	topical	Minimal systemic absorption
5-10 mg/kg	q24h	IV, PO	may cause cartilage damage
0.01-0.02 mg/kg		IV, SC	Supplied as 1:1:000 (0.01-0.02 ml/kg)- give 1 ml/foal
Antibiotic: 25 mg/kg Prokinetic: 1 mg/kg	q8h	PO IV in 1 hour	Diarrhea, fever may occur
2-4 mg/kg 0.2-0.5 mg/kg	q8h q8h	PO IV	
5-10 mg/kg	once or q24h for 5d	PO	High dose is larvicidal. Widespread cyathostomin resistance.
0.02-0.04mg/kg/h		dermal patch	Change every 48-72hrs!
0.1 mg/kg	q24h	PO	Less GI side effects
15 mg/kg then 5mg/kg	q24h	PO	Monitor liver enzymes
0.25-1.5 mg/kg	q6-q24h	IV	Monitor kidney function and GI side effects
0.25-2mg/kg	q4-q12h	IV	Monitor K ⁺ levels
13-20 mg/kg	q12-q24h	PO	May interact with opioids
6.6-10 mg/kg	q24h	IV	Monitor kidney values Can measure peak and trough levels

DRUG	TRADENAME	INDICATION
Heparin		DIC, hyperlipemia, antithrombosis, adhesion prevention
Heparin Dalteparin Enoxaparin	Fragmin, Lovenox,	Anti-inflammatory anticoagulant, (low molecular weight)
Hetastrach	Hespan	Synthetic colloid, hypoproteinemia
Hydroxyzine	Atarax	Antihistamine
Hyaluronate sodium	Legend	Chondroprotectant
Hydralazine	Apresoline	Vasodilator, heart failure
Hypertonic saline		Hypovolemic shock
Imipenem	Primaxin	Antibiotic
Insulin	Humulin	Hyperglycemia, hyperkalemia, hyperlipemia
Interferon alpha		Allergic airway disease
Iohexol	Omnipaque	Myelography, intraarticular and intravenous contrast
Ipratropium	Atrovent	bronchodilator
Itraconazole	Sporanox	antifungal
Ivermectin	Eqvalan	anthelmintic
Kaolin-Pectin	Kaopectate	Enteritis, diarrhea

DOSE	FREQ	ROUTE	REMARKS
20-100U/kg	q8-12h	IV, SC	monitor PCV
50-100U/kg 40-80U/kg	q24 q24	SQ SQ	Expensive
2-10 ml/kg	q24	IV	Large doses may alter coagulation
1 mg/kg	q12h	PO	counteracts with epinephrine
20 mg (1/2 vial)	q7 days	IV	Can be used with PSGAGs.
0.5-1. 5 mg/kg	q12h	PO	
1-4 ml/kg	once	IV	Do not exceed sodium level 150 mEq/l
5-15 mg/kg	q6hr	IV slowly	Broad spectrum, costly
Protamine-Zn: 0.1U/kg Regular: 0.0011- 0.01 U/kg/min	q12- 24SC CRI		Monitor K ⁺ and Glucose
0.1-0.2 U/kg	q24hr	PO	
Myelography: 10-40 ml IV or IA: 5-20 ml			Use the same volume as volume of CSF drained
1-3 ug/kg	q8h	inhalation	Combine with a B ₂ -agonist
5 mg/kg	q24h	PO	Monitor liver enzymes
0.02 mg/kg		PO	can cause colic
4-8 ml/kg	q12h	PO	

DRUG	TRADENAME	INDICATION
Kefoprofen	Ketofen	Anti-inflammatory, NSAID
Ketamine	Vetalar	Short-acting anesthesia
Ketoconazole	Nizoral	Antifungal
Lactase		Lactose digestion
Lactulose		Liver failure, hyperammonemia
Lidocaine	Xylocaine-- Without epinephrine	Antiarrhythmic, anti- inflammatory, GI- prokinetic
Loperamide	Immodium	Diarrhea
Magnesium sulfate 50%		Ventricular tachyarrhythmia, Hypomagnesemia, Reperfusion injury, Neonatal maladjustment
Mannan- oligosaccharides	Bio-Mos	Prebiotic, energy source for microbial flora
Mannitol		CNS trauma/edema

DOSE	FREQ	ROUTE	REMARKS
2 mg/kg	q12-24h	IV	Use with caution. Avoid using >5 days! Can induce GI ulcers and renal papillary necrosis!
Anesthesia 1.5-2.0 mg/kg	Once	IV	Pre-dose with xylazine or diazepam
Analgesia: 0.01-0.04 mg/kg/min	CRI	IV	Analgesia,
5-10 mg/kg	q12	PO	Monitor liver enzymes!
1500-3000U/kg	q6h	PO	
0.2- 0.4ml/kg	q8hr	rectum	
3 mg/kg/h	as a CRI	IV IV	Individual sensitivity! Seizures may occur! Adjust dose in hypoalbuminemia!
VTach: 0.,25 mg/kg IV bolus slowly, then 0.5 mg/kg/min CRI			
5-15 ml/foal	q6hr	PO	Can enhance toxin absorption!
Maladjustment 20 mg/kg then 25 mg/kg/hr	Slow CRI	IV IV IV	Monitor serum levels! Both ionized and total!
Vtach: 2—4 mg/kg/min CRI			
100-200 mg/kg	q6-8h	PO	
0.2-0.8 g/kg q4h	q2-4h	IV bolus over 20 minutes	Measure osmolality: (Max 330 mOsm/l). Warm up

DRUG	TRADE NAME	INDICATION
Methocarbamol	Robaxin	Muscle relaxant
Metoclopramide	Reglan	Ileus. Gastric emptying disorders
Methyl-prednisolone	Solu-Medrol	Anti-inflammatory
Metronidazole	Flagyl	Antibiotic, Anti-protozoal
Midazolam	Versed	Anxiolytic, anti-convulsant
Mineral Oil		Colic, Meconium impaction
Misoprostol	Cytotec	GI ulceration
Morphine		Analgesic
Naloxone		Opioid antagonist, Shock, Mal-adjustment, hemorrhage
Neostigmine	Prostigmine	Ileus
Neupogen		Persistent leukopenia

DOSE	FREQ	ROUTE	REMARKS
40-60 mg/kg	q12h	PO	For post-anesthetic myositis
0.1-0.3 mg/kg	q8-12 hr	IV	Administer slowly or diluted as an infusion. Excitement and other side effects possible.
0.02-0.04 mg/kg/h	CRI	IV	
1-3 mg/kg	q12-q24hr	IV	Low doses for sepsis and cortisol replacement, high doses for immunemediated disorders
10-15 mg/kg	q6-q12hr	IV, PO Per rectum	Anorexia, depression, ataxia possible!
0.1 mg/kg 2-6 mg/kg/h	IV CRI		respiratory depression
4-12 oz/45 kg		via NGT	
2.5-5µg/kg	q12-q24	PO	Do not allow pregnant women to handle!
0.3-0.6 mg/kg	q4-q6h	IV, IM	Use with α_2 -agonists to avoid excitement
0.01-0.03 mg/kg	Once	IV	Useful for maladjusted foals
0.005-0.01mg/kg	q1-q6h	SC	May cause colic
300µg/foal	q24-q48hrs	SC	Adequate response should be seen in 24hrs

DRUG	TRADE NAME	INDICATION
Nitazoxanide		Antiprotozoal
Norepinephrine		Vasopressor, refractory hypotension
Omeprazole	Gastrogard, Losec	Gastric ulceration
Oxyglobin		Anemia treatment
Oxytetracycline	Oxytet	Tetracycline antibiotic Contracted tendons
Oxytocin		Esophageal obstruction
Paramomycin	Humantin	Antiprotozoal
Penicillin-procaine G		β -lactam antibiotic
Pentastarch	Pentaspan	Synthetic colloid
Pentazocine	Talwin	Analgesia
Pentoxifylline	Trental	Anti-inflammatory rheologic, anti-TNF
Pethidine	Demerol	Analgesic
Pentobarbital	Nembutal	Seizure control
Phenazopyridine	Pyridium	Urinary disinfectant
Phenylbutazone		NSAID, anti- inflammatory

DOSE	FREQ	ROUTE	REMARKS
25-50 mg/kg		PO	May be effective in Rotavirus infection.
0.1-1.5 ug/kg /min	CRI	IV	Use in refractory hypotension in combination with an inotrope after iv fluids
1-4 mg/kg	q24	PO	May predispose to Salmonellosis
0.5 mg/kg	q24hr	IV	
1-10 ml/kg		IV	Can cause discoloration of urine and blood
6.6 mg/kg	q12h	IV	nephrotoxic, relaxs contracted tendons in larger doses!
3g per foal	q24h	IV	
0.1-0.2U/kg		IV	To resolve choke!
100 mg/kg	q24h	PO	Efficacy unproven for Cryptosporidium
22,000-44,000 U/kg	q12h	IM	IV administration causes seizure!
1-10 ml/kg	q48h	IV	Costly!
1-5 mg/kg	q6-q12	IV, IM	
7.5-10mg/kg	q8-q12h	IV, PO	Can cause sweating, tachycardia
0.3-0.6 mg/kg	q6-q12	IV, IM	Can cause apnea, ileus
2-10 mg/kg	q6h	IV	Apnea. Do not use with other barbiturate
4 mg/kg	q12h	IV	Urine discoloration, stains everything
2.2-4.4 mg/kg	q12-q48hr	IV, PO	GI ulceration! Kidney function

DRUG	TRADE NAME	INDICATION
Phenobarbital		Anti-convulsant
Phenylephrine	Neo-Synephrine	Vasopressor
Phenytoin	Dilantin	Anti-convulsant
Polymyxin-B		Anti-endotoxic
Praziquantel		Tapeworm infection
Prednisolone-sodium succinate	Solu-delta cortef	Anti-inflammatory, shock.
Procainamide	Pronestyl	Supraventricular tachyarrhythmia
Propofol	Diprivan	IV anesthetic
Propranolol	Inderal	β -antagonist, ventricular arrhythmias
Psyllium		Bulk laxative
Quinidine		Atrial fibrillation
Ranitidine	Zantac	Anti-ulcer
Rifampin		Antibiotic
Romifidine	Sedivet	Analgesic, sedative
S-adenosyl-methionine		hepatic disease, cholestasis
Sodium bicarbonate		Anorganic acidosis, hyperkalemia
Sodium iodide		Actinobacillosis

DOSE	FREQ.	ROUTE	REMARKS
2.5-10 mg/kg	q12h	IV	Respiratory depression
0.2-1 µg/kg/min	CRI	IV	
5-10mg/kg first 12h 20mg/kg		IV	Drowsiness, sedation
1000- 6000 U/kg	q8-12h	IV	Nephro and neurotoxic
1.5 mg/kg		PO	
1-2.5 mg/kg	q6- q24hr	IV	Immunosuppression, adrenal suppression.
1 mg/kg/min	CRI	IV	May induce hypotension.
2-4 mg/kg		IV	after premedication, may cause apnea
0.03-0.05 mg/kg		IV	Hypotension
0.5-1g/100kg	q8hr	PO	For sand impaction or diarrhea
22 mg/kg	q2h	Via NGT	Neurologic, GI side effects, urticaria
6.6 mg/kg 1.5 mg/kg	q8h q8h	PO IV	
5 mg/kg	q12h	PO	May cause urine and feces discoloration.
0.04- 0.12 mg/kg	as needed	IV, IM	
20 mg/kg	q24h	PO	Antioxidant
0.5-2 mEq/kg		IV, PO	Monitor K ⁺ levels! Do not give in respiratory acidosis!
100 mg/kg	q24h	IV	May have antifungal properties

DRUG	TRADE NAME	INDICATIONS
Selenium		Se deficiency
Sucralfate	Carafate	Gastric ulcers
Sulfadiazine-trimethoprim		Antibiotic
Sulfamethoxazole-trimethoprim	Cotrim	Antibiotic
Terbutaline	Brethine	Bronchodilator
Thiamine		Thiamine deficiency
Ticarcillin	Ticar	β -lactam antibiotic
Ticarcillin + clavulanic acid	Timentin	β -lactam antibiotic
Tramadol		Analgesic
Triple drip (guaifenesin-xylazine-ketamine)		Anesthetic
Vancomycin	Vancocin	Antibiotic
Vasopressin		Refractory hypotension
Vitamin C		Antioxidant
Vitamin E (natural form)		Antioxidant
Voriconazole	Vfend	Antifungal
Xylazine	Rompun	Sedation, Pre-anesthetic
Yohimbine		Prokinetic, antidote

DOSE	FREQ.	ROUTE	REMARKS
2.5 mg/50kg	once	IM only	Can be overdosed!
20-40 mg/kg	q6h	PO	Do not give within 1-2 hours of other medications
30 mg/kg	q8-q12h	PO	
30 mg/kg	q12h	PO	
0.04-0.12 mg/kg	q8	PO	
1-10 mg/kg	q24h	PO, IV	
50-100 mg/kg	q6h	IV	
50-200 mg/kg	q6h	IV	
1 mg/kg	q6	IV, IM, Epidural	
2-6 ml/kg/h	CRI		1L 5% GGE 500 mg Xylazine, 1g Ketamine
6 mg/kg	q8	IV	for resistant Staph. aureus, C. diff. infection
0.2-0.6 U/kg 0.5-1.5 mU/kg/min	once CRI	IV IV	for CPR Hypotensive shock
100 mg/kg	q24h	IV	
20-50U/kg	q24h	PO	
3 mg/kg	q24h	PO	Costly
0.25-1.1 mg/kg	as needed	IV, IM	May cause collapse in unstable neonatal foals
0.1 mg/kg	q8-12h	IV	

DRUGS WITH NEUROLOGICAL EFFECT

DRUG	DOSE	ROUTE, FREQ	REMARKS
Diazepam	0.05-0.4 mg/kg	IV, Every 30 minutes	Not recommended for prolonged periods of time at higher doses
Midazolam	2-8 mg /hour/ 50kg foal	IV as a CRI after 5 mg bolus	Short half life
Phenobarbital	20 mg/kg initially 2-9 mg/kg	IV IV, IM q8-12h	Administer slowly (over 20 minutes) to effect! Monitor serum levels
Pentobarbital	2-10 mg/kg	IV, Q4-6h	Maybe repeated in 4-6 hours!
Phenytoin	5-10 mg/kg loading then 1-5 mg/kg	IV, PO q4-6h	May cause marked depression
Primidone	20-30 mg/kg	PO q12-24h	
Mannitol	0.25-1.0 g/kg	IV, q2-4h	For cerebral edema. Over 20-30 minutes
Hypertonic saline (3-7 %)	1-2 mL/kg	IV	For cerebral edema. Over 15-30 minutes! Monitor serum sodium levels (<150 mEq/l)
Magnesium-sulfate	50 mg/kg then 25 mg/kg/hour	IV	Monitor serum Mg levels

DRUGS FOR USE IN CPR

DRUG	DOSAGE	ROUTE	REMARKS
Epinephrine (Adrenaline)	0.01-0.02 mg/kg 0.5-1 ml/foal	IV Intratracheal	Can be repeated every 2 minutes
Vasopressin	0.2-0.6 U/kg	IV	After 2-3 failed attempts with epinephrine
Sodium bicarbonate	1-2 mEq/kg	IV, PO	Give it after 5- 10 min. of CPR
Atropine	0.01-0.04 mg/kg	IV, IM, SQ	Maybe used if no response to O ₂ and epinephrine and vasopressin
Norepinephrine	0.1-1.5 µg/kg/min IV		After volume corrected and inotrope was given!
Dobutamine	2-10 µg/kg/min	IV	Infusion after correcting hypovolemia
Vasopressin	0.25-1.5 mUI/kg/min CRI	IV	Refractory hypotension
Doxapram	0.01-0.05 mg/kg/min	IV	Infusion, when mechanical ventilation is not feasible.
Dopamine	5-10 µg/kg/min	IV	Use only if other vasopressors are not available