

## TABLE 2

Table 2 represents a listing of all “official published detection times” for therapeutic medications reported anywhere in the world. The “detection times” are expressed in terms of time, usually hours or days following the last administration of the agent. As shown in the second and third columns, “detection times” are sensitive to the specific dose administered, the number of doses administered, and the route of administration. Urine is the testing medium for all currently reported “detection times.”

### “OFFICIAL, PUBLISHED DETECTION TIMES”

MEDICATION	DOSE	ROUTE	DETECTION TIMES	FLUID	JURISDICTION
Acepromazine	10 & 25 mg	IM	36 hours	urine	Canada
Acepromazine	25 mg	IV	36 hours	urine	Canada
Acepromazine	10 mg	PO	24 hours	urine	Canada
Acepromazine	50 mg	PO	36 hours	urine	Canada
Acepromazine	30 mg	IM	72 hours	urine	Other
Acepromazine	152 µg/kg	PO	96 hours	urine	Europe
Acetaminophen	10 g	PO	96 hours	urine	Canada
Aminocaproic Acid	2.5 & 5 g	IV	48 hours	urine	Canada
Atropine	15 mg	IV	24 hours	urine	Canada
Azaparone	40 mg	IM	36 hours	urine	Canada
Betamethasone	35 mg	IM	24 hours	urine	Canada
Betamethasone	20 mg	IM	>7 days	urine	Other
Boldenone	250 mg	IM	28 days	urine	Other
Bupivacaine	50 mg	IM	24 hours	urine	Canada
Butorphanol	20 & 50 mg	IV	72 hours	urine	Canada
Butorphanol	100 µg/kg	IV	72 hours	urine	Europe
Carprofen	1 g	PO	120+ hours	urine	Canada
Carprofen	0.7 mg/kg (sid 5 days)	IV	20 days	urine	Europe
Chloroprocaine	80 mg	Infiltration	24 hours	urine	Canada

Chlorpheniramine	75 mg	IM	72 hours	urine	Canada
Chlorpromazine	100 mg	IM	96 hours	urine	Canada
Cimetidine	4 g (bid 3 days)	PO	48 hours	urine	Canada
Clanobutin	4.5 g	IV	72 hours	urine	Other
Clenbuterol	.30 mg	IV	72 hours	urine	Canada
Clenbuterol	.32 mg	PO	72 hours	urine	Canada
Clenbuterol	.40 mg (bid 5 days)	PO	72 hours	urine	Canada
Clenbuterol	0.09 mg (15 min.)	NEB	48 hours	urine	Other
Clenbuterol	0.8 mg (sid 10 days)	PO	3-4 days after last dose	urine	Other
Clenbuterol	0.8 µg/kg (bid 5 days)	IV first dose & then PO	6.5 days	urine	Europe
Clomipramine	500 mg (bid 4 d)	PO	120+ hours	urine	Canada
Copper Indomethacin	200 mg	PO	72 hours	urine	Europe
Cromoglycate	80 mg	NEB	24 hours	urine	Canada
Cromoglycate	80 mg (sid 3 days)	NEB	24 hours	urine	Canada
Cromoglycate	80 mg	IT	24 hours	urine	Canada
Cromoglycate	80 mg (sid 3 days)	IT	24 hours	urine	Canada
Cromoglycate	10 mg	Aeromask	24 hours	urine	Canada
Dantrolene	1 g	PO	36 hours	urine	Canada
Dembrexine	150 mg	PO	72 hours	urine	Canada
Dembrexine	150 mg (bid 4 days)	PO	72 hours	urine	Canada
Detomidine	5 mg	IV	36 hours	urine	Canada
Detomidine	20 mg	IV	72 hours	urine	Canada
Detomidine	5 mg	IM	48 hours	urine	Other
Dexamethasone	20 mg	IM & IV	24 hours	urine	Canada
Dexamethasone	25 mg	IV	24 hours	urine	Canada
Dexamethasone	40 mg	ISY	24 hours	urine	Canada
Dexamethasone	10 mg (sid 5 days)	PO	24 hours	urine	Canada
Dexamethasone	80-220 mg	NEB	24 hours	urine	Canada
Dexamethasone	37.5 µg/kg	IM	36 hours	urine	Europe
Dexamethasone	100 mg	IV	48 hours	urine	Other
Dexamethasone	20 mg	IM	48 hours	urine	Other

Dexamethasone	25 mg	IM	>14 days	urine	Other
Dexamethasone	30 mg	IM	>12 days	urine	Other
Dexamethasone	34 mg	IM	12 days	urine	Other
Dexamethasone	20 mg	IA	> 12 days	urine	Other
Dextromethorphan	300 mg	PO	96 hours	urine	Canada
Diazepam	10 mg	IM	120+ hours	urine	Canada
Diclofenac	400 mg	PO	36 hours	urine	Canada
Diffenlunisal	5 g	PO	96 hours	urine	Canada
Dimethylsulfoxide	19.8 g	TOP	36 hours	urine	Canada
Dimethylsulfoxide	19.8 g	IV	36 hours	urine	Canada
Dimethylsulfoxide	420 g	IV	50 hours	urine	Other
Dimethylsulfoxide	50 g	PO	72 hours	urine	Other
Dimethylsulfoxide	50 g	TOP	48 hours	urine	Other
Diphenhydramine	250 mg	IM	48 hours	urine	Canada
Diphenhydramine	500 mg	PO	48 hours	urine	Canada
Dipyrrone	7.5 g	IM	36 hours	urine	Canada
Dipyrrone	10 g (bid 5 days)	IM	120 hours	urine	Canada
Dipyrrone	7.5 g	IV	36 hours	urine	Canada
Dipyrrone	10 g	IV	48-72 hours	urine	Other
Dipyrrone	22 mg/kg	IV	120 hours	urine	Europe
Dyphylline	5 g	PO	96 hours	urine	Canada
Ephedrine	200 mg	PO & IM	36 hours	urine	Canada
Ephedrine	300 mg (bid 6 days)	PO	48 hours	urine	Canada
Ergonovine	2 mg	IV	36 hours	urine	Canada
Ergonovine	4 mg	IV	60 hours	urine	Canada
Ethacrynic Acid	50 mg	IV	36 hours	urine	Canada
Ethacrynic Acid	200 & 400 mg	PO	48 hours	urine	Canada
Etodolac	2 g	PO	96 hours	urine	Canada
Famotidine	200 mg	PO	72 hours	urine	Canada
Fenoterol	1 mg	Aeromask	24 hours	urine	Canada
Floctafenine	2 g	PO	96 hours	urine	Canada

Flumethasone	5 mg	IV & IM	24 hours	urine	Canada
Flunixin	500 mg	PO	48 hours	urine	Canada
Flunixin	500 mg	IV	48 hours	urine	Canada
Flunixin	500 mg	IM	72 hours	urine	Canada
Flunixin	500 mg (sid 3 days)	IM	72 hours	urine	Canada
Flunixin	500 mg (sid 5 days)	IM	72 hours	urine	Canada
Flunixin	500 mg	IV	72 hours	urine	Other
Flurbiprofen	2 g	PO	60 hours	urine	Canada
Furosemide	150 mg	IV	24 hours	urine	Canada
Furosemide	200 mg	IV	24 hours	urine	Canada
Furosemide	250 mg	IV	24 hours	urine	Canada
Furosemide	400 mg	IV	24 hours	urine	Canada
Furosemide	200 mg (3 days)	IV	24 hours	urine	Canada
Furosemide	200 mg	IM	24 hours	urine	Canada
Furosemide	400 mg	IM	24 hours	urine	Canada
Furosemide	200 mg (sid 3 days)	IM	24 hours	urine	Canada
Furosemide	2 g	PO	36 hours	urine	Canada
Furosemide	1 mg/kg	IV	60 hours	urine	Europe
Furosemide	1 mg/kg	IM	72 hours	urine	Europe
Glycopyrrolate	2 mg	IV	36 hours	urine	Canada
Glycopyrrolate	2 mg	IM	48 hours	urine	Canada
Guaifenesin	2 g	IV & PO	24 hours	urine	Canada
Heptaminol	100 mg	IM	72 hours	urine	Other
Hydrochlorothiazide	100 mg	IV	60 hours	urine	Canada
Hydrochlorothiazide	225 mg	PO	60 hours	urine	Canada
Ibuprofen	12 g	PO	48 hours	urine	Canada
Indapamide	40 mg	PO	48 hours	urine	Canada
Indomethacin	1 g	PO	48 hours	urine	Canada
Indomethacin "Copper"	200 mg	PO	72 hours	urine	Other
Isoflupredone	15 & 24 mg	IM	48 hours	urine	Canada
Isoxsuprine	300 mg	PO	36 hours	urine	Canada
Ketamine	700 mg	IV	96 hours	urine	Canada

Ketoprofen	1.2 g	IV	48 hours	urine	Canada
Ketoprofen	2.2 mg/kg	IV	120 hours	urine	Europe
Ketoprofen	1 g	IV	48-72 hours	urine	Other
Ketotifen	20 mg	PO	36 hours	urine	Canada
Lidocaine	150 mg	INFIL	24 hours	urine	Canada
Lidocaine	500 mg	TOP	36 hours	urine	Canada
Lidocaine	100 mg (bid 5 days)	TOP	48 hours	urine	Other
Lidocaine	400 mg	IM & SC	72 hours	urine	Other
Lidocaine	400 mg	SC	48 hours	urine	Other
Lidocaine	440 µg/kg	SC	60 hours	urine	Europe
Meclofenamic Acid	1 g	PO	48 hours	urine	Canada
Meclofenamic Acid	1 g (sid 3 days)	PO	48 hours	urine	Canada
Meclofenamic Acid	20 g	PO	72 hours	urine	Other
Mefenamic Acid	2 g	PO	48 hours	urine	Canada
Meloxicam	90 mg	PO	48 hours	urine	Canada
Mepivacaine	300 mg	IA	48 hours	urine	Canada
Mepivacaine	300 mg	SC	48 hours	urine	Canada
Mepivacaine	400 mg	IM & SC	48 hours	urine	Other
Mepivacaine	395 µg/kg	SC	108 hours	urine	Europe
Methandriol	375 mg	IM	38-42 days	urine	Other
Methocarbamol	5 g	PO & IV	24 hours	urine	Canada
Methylprednisolone	100 mg	IA	96 hours	urine	Canada
Methylprednisolone	200 mg	IA	96 hours	urine	Canada
Methylprednisolone	200 mg	IM	96 hours	urine	Canada
Methylprednisolone	200 mg	ISY	96 hours	urine	Canada
Methylprednisolone	640 mg	ISY	96 hours	urine	Canada
Methylprednisolone	200-220 mg	IM	> 45 days	urine	Other
Methylprednisolone	240 mg	IA	14- 24 days	urine	Other
Methylprednisolone	120 mg	IA	14-16 days	urine	Other
Methylprednisolone	400 µg/kg	IM	> 44 days	urine	Europe
Nabumetone	5 g	PO	96 hours	urine	Canada
Nandrolone	250 mg	IM	>60 days	urine	Other
Nandrolone	470 mg	IM	40 days	urine	Other

Naproxen	4.5 g	PO	96 hours	urine	Canada
Naproxen	2 g (bid 5 days)	PO	120 hours	urine	Canada
Nedocromil	16 mg	Aeromask	24 hours	urine	Canada
Omeprazole	2 g (sid 5 days)	PO	24 hours	urine	Canada
Oxaprozin	4.8 g	PO	120+ hours	urine	Canada
Oxyphenbutazone	4 g	PO	48 hours	urine	Canada
Penicillin Procaine G	2-6 million IU*	IM	425 hours	urine	Canada
Penicillin Procaine G	4 million IU (sid 5 days)	IM	60 hours	urine	Canada
Penicillin Procaine G	4 million IU	PO	60 hours	urine	Canada
Penicillin Procaine G	0.2 million IU	TOP	48 hours	urine	Canada
Penicillin Procaine G	9 g bid for 5 days	IM	after last dose	urine	Other
Pentazocine	0.68 mg/kg	IM	72 hours	urine	Canada
Pentoxifylline	2g (bid 4 days)	PO	48 hours	urine	Canada
Pentoxifylline	2g (tid 5 days)	PO	48 hours	urine	Canada
Pentoxifylline	4 g	PO	48 hours	urine	Canada
Pethidine	2 mg/kg	IM	72 hours	urine	Europe
Phenothiazine	4.75 g	PO	96 hours	urine	Canada
Phenylbutazone	3 g	IV	96 hours	urine	Canada
Phenylbutazone	3 g (sid 3 days)	IV	96 hours	urine	Canada
Phenylbutazone	3 g	PO	96 hours	urine	Canada
Phenylbutazone	3 g (sid 3 days)	PO	96 hours	urine	Canada
Phenylbutazone	3 g	PO	4-5 days	urine	Other
Phenylbutazone	25 ml	IV	5 days	urine	Other
Phenylbutazone	2.2 mg/kg	IV	6 days	urine	Europe
Phenytoin	3 g (bid 3 days)	PO	96 hours	urine	Canada
Piroxicam	100 mg	PO	72 hours	urine	Canada
Prednisolone	75 mg	IV	24 hours	urine	Canada
Prednisolone	150 mg	IV	24 hours	urine	Canada
Prednisone	0.5-1 g	PO	24 hours	urine	Canada
Prilocaine	400 mg	IM & SC	48 hours	Urine	Other

Procaine HCl	80-1600 mg	INFIL	48 hours	urine	Canada
Promazine	250-450 mg	IM	96 hours	urine	Canada
Promazine	900 mg	PO	96 hours	urine	Other
Pyrilamine	500 mg	IM	36 hours	urine	Canada
Pyrilamine	750 mg (bid 6 days)	PO	36 hours	urine	Canada
Ranitidine	3 g (bid 4 days)	PO	48 hours	urine	Canada
Romifidine	20-50 mg	IV	36 hours	urine	Canada
Romifidine	100 µg/kg	IV	72 hours	urine	Europe
Salbutamol	0.8 mg	Aeromask	24 hours	urine	Canada
Salmeterol	0.25 mg	Aeromask	24 hours	urine	Canada
Sulindac	1 g	PO	96 hours	urine	Canada
Tenoxicam	200 mg	PO	48 hours	urine	Canada
Terbutaline	1 mg	SC	72 hours	urine	Canada
Terbutaline	40 mg	PO	72 hours	urine	Canada
Testosterone	125 mg	IM	21 days	urine	Other
Testosterone	500 mg	IM	21 days	urine	Other
Testosterone Depot	600 mg	IM	15-17 days	urine	Other
Testosterone Propionate	250 mg	IM	> 10 days	urine	Other
Theophylline	1.5 g	IV	96 hours	urine	Canada
Theophylline	6 g	PO	>7 days	urine	Other
Thiosalicylic Acid	1 g	IV & IM	30 hours	urine	Canada
Tiaprofenic Acid	2.4 g	PO	120 hours	urine	Canada
Triamcinolone Acetonide	24 mg	IM	24 hours	urine	Canada
Triamcinolone Acetonide	30 mg	IA	96 hours	urine	Canada
Triamcinolone Acetonide	24 mg	IM	9-15 days	urine	Other
Triamcinolone Acetonide	24 mg	IA	72 hours	urine	Other
Trichlormethiazide	100-200 mg	PO	24 hours	urine	Canada

Trichlormethiazide	100 mg	IM	36 hours	urine	Canada
Tripelennamine	400 mg	IM	36 hours	urine	Canada
Vedaprofen	1 g (sid on days 1 & 5, 0.5 g bid on days 2-4)	PO	48 hours	urine	Canada
Xylazine	1 g	IM	24 hours	urine	Canada
Xylazine	500 mg	IV	72 hours	urine	Other
Xylazine	2.2 mg/kg	IM	72 hours	urine	Europe
Zomepirac	0.5 g	PO	96 hours	urine	Canada
Zomepirac	0.5 (sid 3 days)	PO	96 hours	urine	Canada
Zomepirac	1 g	PO	96 hours	urine	Canada
Zomepirac	1 g (sid 3 days)	PO	96 hours	urine	Canada

\*IU = International Units (1 million IU Penicillin G Procaine contains 424 mg Procaine)