

Ioxaglate Sodium	3.00 mL	1.67
Iron Dextran Injection	0.90 mg	5.60
Iron Sorbitex	0.50 mL	10.00 +
Isobucaine HCl and Epinephrine	0.14 mL	35.70
Isoniazid	20.00 mg	0.30 +
Isoproterenol HCl Injection	0.014 mg	350.00
Isosulfan Sulfate	0.71 mg	7.00
Isoxsupine HCl Injection	0.14 mg	35.70 +

-K-

Kanamycin Sulfate Injection	7.50 mg	0.67 +
Ketamine HCl	13.00 mg	0.40 +

-L-

Labetalol HCl	4.30 mg	1.20 +
Leucovorin Calcium Injection	2.57 mg	1.95
Leuprolide Acetate	0.03 mg	16.67
Levallorphan Tartrate Injection	0.04 mg	125.00
Levarterenol	0.06 mg	83.33
Levorphanol Tartrate Injection	0.04 mg	125.00 +
Levothyroxine Sodium for Injection	0.007 mg	714.00
Lidocaine HCl Injection (with D5W)	4.50 mg	1.10 +
Lidocaine HCl with Epinephrine	7.00 mg	0.70 +
Lincomycin HCl	10.00 mg	0.50 +
Liver Derivative Complex	0.03 mg	166.67
Lorazepam	0.05 mg	100.00 +
Loxapine	0.71 mg	7.00

-M-

Magnesium Sulfate	57.10 mg	0.09 +
Manganese Chloride Injection	11.00 ug	0.45 +
Manganese Sulfate	11.00 ug	0.45 +
Mannitol <= 10%	120.00 mg	0.04
Mannitol > 10%	2.00 g	2.50
Mannitol and Sodium Chloride	120.00 mg	0.04 +
Mechlorethamine HCl for Injection	0.40 mg	12.50 #+
Medroxyprogesterone Acetate	14.30 mg	0.35
Menadiol Sodium Diphosphate (K-4)	0.20 mg	25.00 +

Menadione	0.09 mg	58.30 +
N. Meningococcal Polysaccharide Pur. Bulk, Group A	0.25 ug	20.00
N.Meningococcal Polysaccharide Pur. Bulk, Group C	0.25 ug	20.00
Meningococcal Polysaccharide Vaccine Group A	0.025 ug	200.00
Meningococcal Polysaccharide Vaccine Group C	0.025 ug	200.00
Meningococcal Polysaccharide Vaccine Group A and C	0.05 ug	100.00
Menotropin	2.00 units	2.50 +
Meperidine HCl Injection	2.14 mg	2.40 +
Mephentermine Sulfate	0.64 mg	7.80 +
Mepivacaine HCl	6.60 mg	0.80 +
Mepivacaine HCl and Levonordefrin	6.60 mg	0.80 +
Meprobamate Injection	1.00 mg	5.00
Meprylcaine HCl and Epinephrine	6.60 mg	0.80 +
Mercaptomerin Sodium	3.57 mg	1.40
Mersalyl with theophylline	2.90 mg	1.72
Merethoxylline Procaine	2.90 mg	1.72
Mesoridazine Besylate Injection	0.71 mg	7.00 +
Metaraminol Bitartrate	1.43 mg	3.50 +
Methadone HCl	0.57 mg	8.80 +
Methandroil	1.43 mg	3.50
Methapyrilene HCl	0.60 mg	8.33
Methicillin Sodium	50.00 mg	0.10 +
Methiodal Sodium Injection	1300.00 mg	0.004
Methocarbamol Injection	28.60 mg	0.20 +
Methohexital Sodium	10.00 mg	0.50 +
Methotrexate Sodium Injection	--- mg	2.00 +
Methotrimerprazine	0.28 mg	17.90 +
Methoxamine HCl	0.25 mg	20.00 +
Methyl Dopate HCl	10.00 mg	0.50 +
Methylene Blue Injection	2.00 mL	2.50 +
Methylergonovine Maleate	2.90 mcg	1.70 +
Methylprednisolone Acetate Sus	0.80 mg	6.25
Methylprednisolone Sodium Succinate for Injection	30.00 mg	0.17 +
Metoclopramide	2.00 mg	2.50 +
Metocurine Iodide	0.40 mg	12.50 +

Metoprolol Tartrate	0.20 mg	25.00 +
*Metrizamide	4.29 mg I	1.17
Metrizamide	634.00 mg I	0.008
Metrizoic	73% - 2.90 mL	1.72
	46.18% - 1.00 mL	5.00
Metronidazole HCl	15.00 mg	0.35 +
Metyrapone Tartrate Injection	15.00 mg	0.35
Mezlocillin Sodium	87.50 mg	0.06 +
Miconazole Injection	40.00 mg	0.10 +
*Miconazole Injection	0.29 mg	0.69
Midazolam HCl	0.35 mg	14.30
Minocycline HCl	4.00 mg	1.25 +
Mithramycin for Injection	0.05 mg	100.00
Mitomycin for Injection	0.51 mg	9.80 # +
Mitoxantrone HCl	0.36 mg	13.90 #
Molybdenum	2.30 ug	2.17
Morphine Sulfate	0.29 mg	17.00
*Morphine Sulfate	0.014 mg	14.29
Morrhuate Sodium	3.60 mg	1.40 +
Moxalactam	100.00 mg	0.05 +
Muromonab-CD3	0.10 mg	50.00

-N-

Nafcillin	40.00 mg	0.13 +
Nalbuphine HCl	3.00 mg	1.67
Nalorphine HCl	0.43 mg	11.60
Naloxone HCl Injection	0.01 mg	500.00
Neomycin Sulfate	3.80 mg	1.30 +
Neostigmine Methylsulfate	0.04 mg	125.00
Netilmicin	4.00 mg	1.25 +
Niacin	1.43 mg	3.50 +
Niacinamide Injection	1.43 mg	3.50 +
Nicotinamide	0.70 mg	7.14
Nikethamide	0.90 ml:25% sol	5.56
Nine Vitamin Injection	1.00 mL	5.00
Nitrofurantoin	2.50 mg	2.00
Nitroglycerin	50.00 ug	0.10 +
Nitroprusside Sodium	1.40 mcg	3.67
Norepinephrine bitartrate	0.06 mg	83.40 +
Novobiocin for Injection	7.10 mg	0.70

-O-

Opium Alkaloids HCl	0.28 mg	17.86
Orphenadrine Citrate Injection	0.86 mg	5.80 +
Ouabain	0.007 mg	714.29
Oxacillin Sodium	25.00 mg	0.20 +
Oxymorphone HCl	0.021 mg	238.10 +
Oxytetracycline	12.50 mg	0.40 +
Oxytocin	0.14 units	35.70

-P-

Pancuronium Bromide	0.10 mg	50.00
Papaverine HCl	1.70 mg	2.90 +
Paraldehyde	0.15 mL	33.33
Parathyroid Hormone	0.57 units	8.80
Penicillin G Benzathine Suspension	50,000.00 units	0.01/100 +
Penicillin G Potassium	50,000.00 units	0.01/100 +
Penicillin G Procaine and Suspension	50,000.00 units	0.01/100 +
Penicillin G Procaine, Dihydrostreptomycin Sulfate, Chlorpheniramine Maleate and Dexamethasone Suspension	--- units	0.01/100 +
Penicillin G Procaine, Dihydrostreptomycin Sulfate, Prednisolone Suspension	--- units	0.01/100 +
Penicillin G Sodium	50,000.00 units	0.01/100 +
Pentagastrin	0.006 mg	833.00
Pentamidine Isethionate	4.00 mg	1.25
Pentobarbital Sodium Injection	6.00 mg	0.83 +
Pentazocine Lactate Injection	0.86 mg	5.80 +
Perphenazine	0.14 mg	35.70 +
Phenobarbital Sodium Injection	20.00 mg	0.30 +
Phenolsulfonphthalein	0.09 mg	55.60
Phentolamine Mesylate	0.86 mg	5.80 +
Pentylene-tetrazol	7.14 mg	0.70
Phenylephrine HCl	0.20 mg	25.00 +
Phenytoin Sodium Injection	20.00 mg	0.30 +
Physostigmine Salicylate	0.06 mg	83.40 +
Phytonadione	0.36 mg	14.00 +
Piperacillin Sodium	75.00 mg	0.07 +
Piperocaine HCl	4.30 mg	1.16

Plasma Protein Fraction (5%)	10.00 mL	0.50
Plicamycin for Injection	0.05 mg	100.00 #
Polyestradiol Phosphate	1.10 mg	4.55
Polymyxin B Sulfate	1666.70 units	0.003
*Polymyxin B Sulfate	714.00 units	0.03/100 units
Posterior Pituitary Injection	0.29 units	17.00 +
Potassium Acetate Injection	0.57 mEq	8.80 +
Potassium Chloride	0.57 mEq	8.80 +
Potassium Chloride, Lactated Ringers and Dextrose Injection	--- mL	0.50 +
Potassium Phosphate Injection	4.43 mg	1.10 +
Potassium Phosphate in Dextrose	10.00 mL	0.50
Potassium Phos., Lactated Ringers	10.00 mL	0.50
Pralidoxine Chloride	40.00 mg	0.10 +
Prednisolone Acetate Suspension	0.16 mg	31.25
Prednisolone Acetate and Prednisolone Sodium Phosphate Suspension	1.14 mg Pred. Acet.	4.39
Prednisolone Sodium Phosphate	1.00 mg	5.00 +
Prednisolone Sodium Succinate	0.86 mg	5.80 +
Prednisolone Tebutate Suspension	0.57 mg	8.80 +
Prilocaine HCl	5.70 mg	0.90 +
Prilocaine HCl and Epinephrine	5.70 mg	0.90 +
Procaine HCl	8.60 mg	0.60 +
Procaine HCl & Epinephrine	--- mg	0.60 +
Procaine & Phenylephrine HCl	--- mg	0.60 +
Procaine, Tetracaine & Levonordefrin Injection	--- mg	0.60 +
Propofol	12.00 mg	0.42
Procainamide HCl Injection	14.30 mg	0.35 +
Prochlorperazine Edisylate & Mesylate	0.28 mg	17.90 +
Progesterone Aqueous & Suspension	1.43 mg	3.50
Promazine HCl Injection	2.80 mg	1.80 +
Promethazine HCl	1.00 mg	5.00 +
Propantheline Bromide	0.43 mg	11.60 +
Propiomazine HCl Injection	1.10 mg	4.60 +
Propoxycaine, Procaine HCl & Levonordefrin	6.60 mg	0.80 +
Propoxycaine, Procaine HCl & Norepinephrine Bitartrate	6.60 mg	0.80 +

Propranolol HCl Injection	0.09 mg	55.60 +
Protamine Sulfate Injection	0.71 mg	7.04 +
Protein Hydrolysate Injection	10.00 mL	0.50 +
Prothrombin Complex	50.00 units	0.10
Protirelin	7.00 mcg	0.70
Pyridostigmine Bromide	0.29 mg	17.00 +
Pyridoxine HCl	14.29 mg	0.40 +

-Q-

Quinidine Sulfate	8.60 mg	0.60 +
Quinidine Gluconate	8.60 mg	0.60

-R-

Ranitidine HCl	-.--	7.00
Reserpine	0.07 mg	71.50 +
Riboflavin	0.70 mg	7.10 +
Rifampin for Injection	-.-- mg	0.20 +
Ringer's Injection	10.00 mL	0.50 +
Ringer's Irrigation	10.00 mL	0.50 +
Ringer's in Dextrose	10.00 mL	0.50
Ringer's - Lactated Injection	10.00 mL	0.50 +
Ringer's - Lactated in Dextrose	10.00 mL	0.50
Ritodrine HCl	-.--	0.50 +
Rolitetraacycline for Injection	5.00 mg	1.00 +
Rolitetraacycline Nitrate	5.00 mg	1.00

-S-

Saralasin Acetate	0.26 mg	19.20
Secretin	1.00 unit	5.00
Scopolamine Butylbromide	0.29 mg	17.24
Scopolamine HBr	0.009 mg	555.60 +
Secobarbital Sodium Injection	5.50 mg	0.90 +
Selenious Acid (Selenium)	1.43 ug	3.50 +
Selenomethionine Se75 Injection	7.00 mL	25.00 +
Sincalide	0.02 mcg	250.00
Sisomicin Sulfate	10.00 mg	0.50 +
Sodium Acetate	1.29 mEq	3.90 +
Sodium Ascorbate	3.57 mg	1.40

Sodium Bicarbonate	1.00 mEq	5.00 +
Sodium Chloride 0.45-0.9%	10.00 mL	0.50 +
Sodium Chloride 3- 24.3%	1.40 mL	3.57 +
Sodium Chloride - Bacteriostatic	5.00 mL	1.00 +
Sodium Chloride 4.5%- Lactose 3%	10.00 mL	0.50
Sodium Chloride Irrigation	10.00 mL	0.50 +
Sodium Citrate	2.50 mEq	2.00
Sodium Iodide	14.30 mg	0.35
Sodium Lactate	2.40 mEq	2.00 +
Sodium Phosphate Injection	4.00 mg	1.10 +
Sodium Phosphate P32 Solution	7.00 mL	25.00 +
Sodium Salicylate	9.30 mg	0.54
Sodium Tetradecyl Sulfate	0.14 mL	35.71
Sodium Thiosalicylate	2.10 mg	2.38
Sodium Thiosulfate	167.00 mg	0.03 +
Somatrem for Injection	0.25 IU	20.00
Somatropin - Pituitary & Recombinant	0.20 IU	25.00
Soybean Oil Emulsion	3.13 mL	1.60
Spectinomycin HCl	57.00 mg	0.09 +
Streptokinase	21428.00 IU	0.02/100
Streptokinase-Streptodornase (Local)	3000.00 units	0.002
Streptokinase-Streptodornase (IM)	1000.00 units	0.005
Streptomycin Sulfate	20.00 mg	0.25 +
Streptozocin	38.60 mg	0.13 #
Succinylcholine Chloride	2.50 mg	2.00 +
Sufentanil citrate	0.05 mg	100.00
Invert Sugar	10.00 mL	0.50 +
Invert Sugar in Sodium Chloride	10.00 mL	0.50
Sulbactam Sodium	14.30 mg	0.35
Sulfadiazine Sodium	50.00 mg	0.10 +
Sulfamethoxazole & Trimethoprim	25.00 mg(sulf)	0.20
Sulfisoxazole Diolamine Injection	50.00 mg	0.10
Sulfobromophthalein	5.00 mg	1.00 +

-T-

Technetium Tc99m Albumin Aggregated	7.00 mL	25.00 +
Technetium Tc99m Antimony Trisulfate	7.00 mL	25.00
Technetium Tc99m Dsofenin	7.00 mL	25.00 +
Technetium Tc99m Etidronate	7.00 mL	25.00 +
Technetium Tc99m Ferpentetate	7.00 mL	25.00 +

Technetium Tc99m Gluceptate	7.00 mL	25.00 +
Technetium Tc99m Human Serum Albumin	7.00 mL	25.00 +
Technetium Tc99m Lidofenin	7.00 mL	25.00
Technetium Tc99m Mebrofenin	7.00 mL	25.00
Technetium Tc99m Medronate	7.00 mL	25.00 +
Technetium Tc99m Oxidronate	7.00 mL	25.00 +
Technetium Tc99m Pentetate	7.00 mL	25.00 +
Technetium Tc99m Sodium Pertechnetate	7.00 mL	25.00 +
Technetium Tc99m Pyrophosphate	7.00 mL	25.00 +
Technetium Tc99m (Pyro- and trimeta-) Phosphates	7.00 mL	25.00 +
Technetium Tc99m Succimer	7.00 mL	25.00 +
Technetium Tc99m Sulfur Colloid	7.00 mL	25.00 +
Terbutaline Sulfate	0.004 mg	1250.00 +
Teriparatide Acetate	5.00 units	1.00
Testolactone Suspension	1.43 mg	3.50
Testosterone (aqueous suspension)	1.43 mg	3.50 +
*Tetracaine Hydrochloride	0.29 mg	0.70 +
*Tetracaine HCl and Dextrose	0.20 mg	1.00 +
Tetracycline HCl	10.00 mg	0.50 +
Tetracycline Phosphate Complex	5.00 mg	1.00 +
Thallus Chloride Tl201 Injection	7.00 mL	25.00 +
Theophylline and Dextrose	5.00 mg	1.00
Thiamine HCl	1.43 mg	3.50
Thiamylal Sodium	5.00 mg	1.00 +
Thiethylperazine Maleate	0.14 mg	35.80 +
Thiopental Sodium	5.00 mg	1.00 +
Thiotepa for Injection	0.80 mg	6.20 #
Thiothixene HCl Injection	0.057 mg	88.00 +
Thyrotropin for Injection	0.14 IU	36.00
Ticarcillin Disodium	100.00 mg	0.05 +
Ticarcillin Disodium and Clavulanate	75.00 mg	0.07 +
Tobramycin Sulfate	2.50 mg	2.00 +
Tolazoline HCl	6.00 mg	0.80 +
Tolbutamide Sodium	14.20 mg	0.35 +
Tranexamic Acid	10.00 mg	0.50
Triamcinolone Acetate Suspension	1.14 mg	4.40 +
Triamcinolone Acetonide	1.14 mg	4.39
Triamcinolone Diacetate Suspension	0.70 mg	7.10 +
Triamcinolone Hexacetonide Suspension	0.29 mg	17.20 +
Tridihexethyl Chloride	3.00 mg	1.70 +



Triethylenethiophosphoramide	0.80 mg	6.25
Triethylperazine Maleate	0.43 mg	11.63
Trifluoperazine HCl Injection	0.029 mg	172.00 +
Triflupromazine HCl Injection	0.86 mg	5.80 +
Trimethaphan Camsylate	5.00 mg	1.00 +
Trimethobenzamide HCl	2.80 mg	1.80 +
Tromethamine	154.00 mg	0.03 +
Tubocurarine Chloride	0.50 mg	10.00 +

-U-

Urea	1500.00 mg	0.003 +
Urofollitropine	1.06 units	4.70
Urokinase	4,400.00 IU	0.002

-V-

Vancomycin HCl	15.00 mg	0.33 +
Vasopressin	0.14 units	35.70
Vecuronium Bromide	0.10 mg	50.00
Verapamil Hydrochloride	0.30 mg	16.70 +
Vidarabine for Injection	10.00 mg	0.50 +
Vinblastine Sulfate for Injection	0.50 mg	10.00 #+
Vincristine Sulfate for Injection	0.05 mg	100.00 #
Viomycin Sulfate	14.30 mg	0.35
Vitamin A	714.30 IU	0.007

-W-

Warfarin Sodium for Injection	0.21 mg	24.00 +
Water for Injection and Sterile WFI	--	0.25 +
Bacteriostatic WFI	--	0.50 +
Sterile Water for Inhalation	--	0.50 +
Sterile Water for Irrigation	--	0.25 +

-XYZ-

Xenon Xe133 Injection	2.00 mL	87.50 +
*Ytterbium Yb169 Pentetate Injection	2.50 mL	5.60 +
Zinc Chloride Injection	0.20 mg Zn	25.00 +
Zinc Sulfate Injection	0.20 mg Zn	25.00 +

**(\*) - Intrathecal Injections**

**(+) - USP Limit**

**NOTE:** The limit formula for radiopharmaceuticals is  $175/V$  except for intrathecally administered products  $14/V$  for intrathecal products.  $V$  equals the maximum recommended dose (listed in the dose column), in mL, at the expiration date or time.

**(#) - Drug Administered on a per Square Meter of Body Surface**

**Limit calculated according to the following formula:**

$$5 \text{ EU/Kg} / ((\text{dose} * 1.80 \text{ sq. m.})/70 \text{ Kg})$$

**References:**

**Facts and Comparisons, Editors E. Kastrup and J. Boyd,  
Facts and Comparisons, Inc.**

**United States Pharmacopeia Dispensing Information  
1990, United States Pharmacopeia Convention, Inc.**