

PAML TOXIC AND THERAPEUTIC VALUES				
DRUG		TOXIC	THERAPEUTIC	UNITS
ANTICONVULSANTS				
Carbamazapine (Tegretol)		GT 15	4 - 12	ug/mL
Ethosuximide (Zarontin)		GT 100	40 - 100	ug/mL
Phenobarbital (Luminal)		GT 50	15 - 40	ug/mL
Phenytoin (Dilantin)		GT 25	10 - 20	ug/mL
Primidone (Mysoline)		GT 15	5 - 12	ug/mL
Valproic Acid (Depakene)		GT 150	50 - 100	ug/mL
ANTI-ARRYTHMICS & CARDIAC GLYCOSIDES				
Digitoxin		GT 35	10 - 32	ng/mL
Digoxin		GT 2.5	0.8 - 2.0	ng/mL
Disopyramide (Norpace)		GT 7	2 - 5	ug/mL
Lidocaine		GT 6	1.5 - 5.0	ug/mL
Procainamide & NAPA		GT 40	10 - 30	ug/mL
Procainamide (Pronestyl)		GT 16	4 - 10	ug/mL
Quinidine		GT 7	2 - 5	ug/mL
ANTIBIOTICS				
Amikacin	Trough	GT 8	4 - 8	ug/mL
	Peak	GT 35	10 - 30	ug/mL
Chloramphenicol		GT 25	10 - 20	ug/mL
Gentamicin	Trough	GT 2	1 - 2	ug/mL
	Peak	GT 12	5 - 10	ug/mL
Tobramycin	Trough	GT 2	1 - 2	ug/mL
	Peak	GT 12	5 - 10	ug/mL
Vancomycin	Trough	GT 50	5 - 15	ug/mL
	Peak	GT 50	25 - 40	ug/mL
BRONCHODILATOR				
Theophylline		GT 20	10 - 20	ug/mL
ANTI-INFLAMMATORY / ANALGESIC				
Acetaminophen		GT 150	10 - 25	ug/mL
Salicylate		GT 15	2 - 10	mg/dL
		GT 150	20 - 100	ug/dL
IMMUNOSUPPRESSANT				
Cyclosporin	HPLC	GT 600	100 - 200 Kidney	ng/mL
			200 - 300 Pancreas, liver, & heart	ng/mL
	TDX	GT 600	150 - 250 all transplants	ng/mL
PSYCHOACTIVE				
Amitriptyline (Elavil) & Nortriptyline		GT 499	80 - 220	ng/mL
Desipramine (Norpramine)		GT 499	150 - 300	ng/mL
Doxepin (Sinequan)		GT 499	150 - 250	ng/mL
Imipramine (Tofranil) & Desipramine		GT 499	150 - 250	ng/mL
Lithium		GT 2.0	0.5 - 1.5	mmol/L
Nortriptyline (Aventyl)		GT 499	50 - 150	ng/mL
Protriptyline		GT 400	70 - 240	ng/mL