Listing and Definition of Narrow Therapeutic Index or Range (NTI) Drugs

NOTE: This was a sample list of drugs published by the FDA in 1988. Refer to Official Definition or Contact Specific Drug Manufacturer for Accurate Determination if a drug has a Narrow Therapeutic Index or Range.

Aminophylline  Carbamazepine  Clindamycin  Clonidine
Digoxin*  Disopyramide  Dyphylline  Guanethidine
Isoetharine mesylate  Isoproterenol  Levoxyine*
Lithium Carbonate  Metaporterenol  Minoxidil
Oxytriphylline  Phenytoin  Prazosin
Primidone  Procaínamide  Quinidine gluconate
Theophylline  Valproic Acid
Valproate sodium syrup  Warfarin sodium

*Also Pre 1938 Drug

OFFICIAL DEFINITION: Under Section 320.33(c) of Code of Federal Register 21, the US FDA defines a drug product as having a narrow therapeutic ratio as follows:
   a. There is less than a 2-fold difference in median lethal dose and median Effective dose values, or
   b. There is less than 2-fold difference in the minimum toxic concentrations and Minimum effective concentrations in the blood, and
   c. Safe and Effective use of the drug products require careful titration and Patient monitoring.