

Therapeutic Drug Monitoring Specimen Stability



It is AML's practice to retain specimens for 7 days, however, not all analytes are stable for the entire seven day period. The chart below indicates the stability in number of days for specimens for TDM stored at 2 - 8° C.

Test # / Code	Test Name	Sample Type	Preferred Collection Time	Stability at 2 - 8°
920 / ACM	Acetaminophen	Serum - Plain Red or Heparinized Plasma		7 Days
952 / CAR	Carbamazepine, Total	Serum - Plain Red or Heparinized Plasma		5 Days
92 / DIG	Digoxin	Serum - Plain Red	6 - 8 hours after last dose	7 Days
19 / ETH	Ethanol	7ml Whole Blood - Gray Top		5 Days
826 / GEP	Gentamicin Peak	Serum - Plain Red or Heparinized Plasma	30 minutes after 30 min IV dose; or 1hour after IM dose	7 Days
832 / GER	Gentamicin Random	Serum - Plain Red or Heparinized Plasma	NA	7 Days
827 / GET	Gentamicin Trough	Serum - Plain Red or Heparinized Plasma	Immediately prior to next dose	7 Days
169 / LTH	Lithium	Serum - Plain Red	8 - 12 hours after last dose	5 Days
939 / MTX	Methotrexate	Serum - Plain Red or Heparinized Plasma		24 Hours
207 / PHB	Phenobarbital	Serum - Plain Red or Heparinized Plasma		7 Days
91 / PTN	Phenytoin	Serum - Plain Red or Heparinized Plasma		7 Days
90 / PTF	Phenytoin T & F	Serum - Plain Red or Heparinized Plasma		7 Days
1452 / PMD	Primidone	Serum - Plain Red or Heparinized Plasma	Immediately prior to next dose	7 Days
228 / SAL	Salicylate	Serum - Plain Red or Heparinized Plasma		7 Days
248 / THE	Theophylline	Serum - Plain Red or Heparinized Plasma		7 Days

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849 / TBP	Tobramycin Peak	Serum - Plain Red or Heparinized Plasma	30 minutes after 30 min IV dose; or 1hour after IM dose	7 Days
833 / TBR	Tobramycin Random	Serum - Plain Red or Heparinized Plasma	NA	7 Days
829 / TBT	Tobramycin Trough	Serum - Plain Red or Heparinized Plasma	Immediately prior to next dose	7 Days
949 / VAL	Valproic Acid, Total	Serum - Plain Red or Heparinized Plasma		7 Days
6359 / VAF	Valproic Acid, Free	Serum - Plain Red		7 Days
6358 / VTF	Valproic Acid T & F	Serum - Plain Red		7 Days
964 / VNP	Vancomycin Peak	Serum - Plain Red or Heparinized Plasma	15 min - 1 Hour after IV dose	2 Days
697 / VNR	Vancomycin Random	Serum - Plain Red or Heparinized Plasma	NA	2 Days
963 / VNT	Vancomycin Trough	Serum - Plain Red or Heparinized Plasma	Immediately prior to next dose	2 Days