TEST CHANGE

Tricyclic Antidepressants, Quantitative, Serum or Plasma

2007549, TADQNT SP

Specimen Requirements:	
Patient Preparation:	Timing of specimen collection: Predose (trough) draw at steady-state concentration.
Collect:	Plain red. Also acceptable: Lavender (K2 or K3EDTA) or pink (K2EDTA).
Specimen Preparation:	Separate serum or plasma from cells within 2 hours of collection. Transfer 1 mL serum or plasma to an ARUP standard transport tube. (Min: 0.5 mL)
Transport Temperature:	Refrigerated.
Unacceptable Conditions:	Whole blood. Gel separator tubes, light blue (citrate), or yellow (SPS or ACD solution).
Remarks:	
Stability:	After separation from cells: Ambient: 5 days; Refrigerated: 2 weeks; Frozen: 6 months
Methodology:	Quantitative Liquid Chromatography-Tandem Mass Spectrometry
Performed:	Mon, Wed, Fri
Reported:	1-7~~5~~ days
Note:	This test is used to quantitate the following tricyclic antidepressants: amitriptyline, clomipramine, desipramine, doxepin, imipramine, norclomipramine, nordoxepin, nortriptyline, and protriptyline.
CPT Codes:	80337 (Alt code: G0480)
New York DOH Approval Status:	This test is New York DOH approved.
Interpretive Data:	
Reference Interval:	

Effective November 18th, 2013

Drug	Therapeutic Range	Toxic
Amitriptyline (Elavil, Vanatrip)	Not established	Not established
Nortriptyline (Aventyl, Pamelor)	50-150 ng/mL	Greater than 500 ng/mL
Total Amitriptyline + Nortriptyline	95-250 ng/mL	Greater than 500 ng/mL
Imipramine (Tofranil)	Not established	Not established
Desipramine (Norpramin)	100-300 ng/mL	Greater than 500 ng/mL
Total Imipramine + Desipramine	150-300 ng/mL	Greater than 500 ng/mL
Doxepin (Sinequan, Zonalon)	Not established	Not established
Nordoxepin	Not established	Not established
Total Doxepin + Nordoxepin	100-300 ng/mL	Greater than 500 ng/mL
Protriptyline (Vivactil)	70-240 ng/mL	Greater than 400 ng/mL
Clomipramine (Anafranil)	Not established	Not established
Norclomipramine	Not established	Not established
Total Clomipramine + Norclomipramine	220-500 ng/mL	Greater than 900 ng/mL