

<b>VALPROIC ACID, SERUM</b> (CLIA)	ug/mL	50.00-100.00
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### Interpretation

RESULT IN ug/mL	REMARKS
50	Minimum effective concentration
50-100	Therapeutic range
> 100	Toxic range

### Note :

- Trough level is ideal for monitoring blood concentration
- In Uremia, Cirrhosis or concurrent drug therapy the percent of free Valproic acid increases.

### Comments

Valproic acid is used for the treatment of Absence seizures. It is also useful against Tonic-clonic & Partial seizures when used in conjunction with other Antiepileptic agents. Single dose half life in healthy adults is 16 hours which decreases to 12 hours on chronic therapy and maybe as short as 8 hours in children. In neonates and hepatic disease when metabolism is reduced, half life becomes prolonged. Peak concentrations occur 1-4 hours after an oral dose. Dosing is problematic in young children who might sleep for more than one complete half life of the drug.