

<b>PHENOBARBITONE, SERUM (CLIA)</b>	ug/mL	15.00-40.00
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### Interpretation

RESULT IN ug/mL	REMARKS
15-40	Therapeutic range
>40	Toxic range

**Note :** 1. Alcohol, Carbamazepine, other barbiturates and Rifampicin may increase its metabolism leading to reduced serum concentration.

2. Drugs like Chloramphenicol, Cimetidine, Disulfiram, Isoniazid, Omeprazole & Topiramate compete with Phenobarbital metabolism

3. Elimination of Phenobarbital metabolism is decreased in the presence of Valproic acid & Salicylates

4. Impaired renal and hepatic function can lead to reduced clearance of the drug

### Comments

Phenobarbital is used for the treatment of Generalized tonic-clonic, Partial, Focal motor, Temporal lobe and Febrile seizures. Its metabolism is age dependent. Elimination half life varies from 70 hrs in children to 100 hrs in elderly.