



## CH- 50 (Complement, total), Serum

### The Best Screening Test:

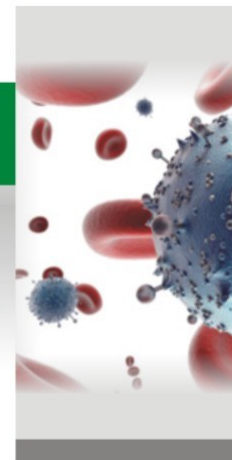
- **To Screen** complement deficiency associated Immunodeficiency (primarily classic or terminal complement component deficiencies)
- **To Detect** congenital and acquired severe deficiency disorders of the primary complement pathway
- **To Monitor** the progress of patients with immune complex disease like Systemic Lupus Erythematosus (SLE)

**One CH- 50 Unit is Defined as the Volume or Dilution of Serum That Lyses 50% of RBCs in Reaction Mixture**

#### Decreased complement levels may be seen with:

- Recurrent microbial infections (Hereditary complement deficiency predisposes to infections)
- Autoimmune diseases (Decreased complement levels are due to increased consumption in autoimmune diseases)

**Increased complement levels are seen during acute or chronic inflammation**



Info