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# C4 Deficiency

National Cancer Institute

## Source

National Cancer Institute. *C4 Deficiency*. NCI Thesaurus. Code C119993.

Lack of production of functional C4 protein, due to a genetic defect requiring homozygous loss of both the C4A and C4B genetic paralogs. Approximately 75% of patients with a C4 deficiency will develop a severe systemic lupus erythematosus at an early age. Patients also present with frequent sinopulmonary infections often with *Streptococcus pneumoniae*.