

Serum Adenosine Deaminase in Tabacoo Factory Workers

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ABSTRACT Adenosine deaminase (ADA) levels show the activity of stimulated T- lymphocytes and its levels are elevated whenever cell mediated immunity is stimulated. Serum ADA activity, a measure of CMI response was determined in 70 male tobacco factory workers in the age group of 25-55 years and 70 healthy males not exposed to any hazardous physical or chemical agents for control values. The mean ADA activity was raised in the factory workers. The increase in ADA activity in the worker was found to be statistically significant. The results clearly indicate the cell mediated immunity is impaired in factory workers as a result of exposure to toxic constituents of tobacco.