

NEUTRALIZING ABILITY OF ANTI AGGREGATES FROM IRRADIATED CROTOXIN. Nascimento, N.**; Clissa, P. B.**; Andrade Jr., H.F. & Rogero, J.R. - Coordenadoria de Bioengenharia, Instituto de Pesquisas Energéticas e Nucleares - IPEN/CNEN-SP, " IMT - FMUSP.

Ionizing radiation has been used in order to detoxify different kinds of venoms, mainly snake venoms (Baride, R.M. et al, Indian J. Med. Res. 72:971-6, 1980). We have worked on total crotoalic venom or isolated crotoxin submitted to gamma radiation effects and the results indicated the aggregated formation as the main cause of at tenuation process. In this work we show the neutralizing ability of antibodies arised against aggregates from irradiated crotoxin, tested with non irradiated crotoxin (Middlebrook, J.L.; Toxi con 29(12): 1481-8, 1991). These antibodies could neutralize 5LD₅₀ of non irradiated crotoxin, aiming these aggregates as a good tool to be used by soro producers Institute in their immunization schedule to obtain anti-crotalic serum. In addition we have found that these aggregates, do not have any toxic activity.