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Dose-dependent Activation of Immune Function in Mice by Ingestion of Maharishi Amrit Kalash 4.

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The dose-effects of Maharishi Amrit Kalash 4 (MAK 4) on the nonspecific immune functions in female inbred BALB/c mice were studied. The mice were given MAK 4 by gastric intubation of an aqueous emulsion at the dose of 10, 50, 100 or 200 mg/kg once a day for 20 days. As the results, glucose consumption capacity, O_2 production capacity, GLU activity and LDH activity in the peritoneal macrophages were significantly increased in the MAK 4-treated mice at the doses of 10 and 50 mg/kg, respectively. Stimulation indices in the MAK 4-treated groups at all doses were significantly higher than those of the control group. These results indicate that 10 to 50 mg/kg per day might be appropriate doses to enhance not only macrophage function but also lymphocyte responsiveness for the gastric intubation of MAK 4 in mice.