

## アロエ・エキスの成人気管支喘息患者における末梢血白血球の貪食作用への影響

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### Effect of *Aloe* Extract on Peripheral Phagocytosis in Adult Bronchial Asthma

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**ABSTRACT** Screening of extracts from *Aloe* stored in the dark and cold for phagocytosis in adult bronchial asthmatic showed activity in the nondialyzable material from the pulp fraction. An active fraction was further separated by means of column chromatography on DEAE-cellulofine. The active components were found to be in the glycoprotein and polysaccharide fractions. It is an important finding that the glycoprotein fraction clearly enhanced activity of both phagocytosis and nitroblue tetrazolium reduction in a dose-dependent fashion. From quantitation of the polysaccharide and glycoprotein fractions it can be speculated that Filatow's hypothesis might be partly explained in terms of an increase in the polysaccharide fraction which acts as immunopotentiator and promotes phagocytosis.

抄録 キダチアロエ・エキスの分画により得られた多糖類と糖蛋白が成人気管支喘息患者より得られた末梢血白血球の貪食能と NBT 還元能を促進することを見出した。

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