

Thesis Title Dengue virus type 2 infection:
 effect of factors released from infected fibroblasts on
 mononuclear cell infection

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ABSTRACT

The effect of culture supernatant fluids of dengue virus-infected fibroblasts on dengue virus infection in mononuclear cells were studied. Our study revealed that skin fibroblasts, peripheral blood monocytes and macrophages could be infected with dengue virus type 2. Dengue virus-infected fibroblasts produced some factors releasing to culture fluids which could protect uninfected fibroblasts from dengue virus infection. This factor also had a significant inhibition effect on dengue virus replication in monocytes.