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> > JOURNAL OF BACTERIOLOGY AND VIROLOGY > 26 2

() Influenza Virus Type A

Antiviral Activity of Korean Traditional Prescriptions against Influenza Virus Type A



26 2, 1996.12, 273-283 (11 pages)

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In order to search for anti-influenza virus type A agents from Korean traditional prescriptions (herb complexes), we tested traditional prescriptions, based on a review of the Korean traditional medicine books. Both methanol extracts and water extracts were tested, by means of the Haemagglutination Inhibition Test (HIT). Three of the 63 methanol extracts: CM-48 (see explanation of nomenclature below), showed efficacy against influenza virus type A. CM-22 showed anti-influenza virus type A activity at the range of 313pg/ml to 9.75pg/ml, CM-26 showed antiviral activity at the range of 156pl/ml to 4.8pg/ml, and CM-48 showed anti-influenza virus type A activity at the range of 625pg/ml to 19.5pg/ml, respectively. Three of the water extracts: CW-34, CW-61 were active. CW-14 showed anti-influenza virus type A activity at the range of 10mg/ml to 78pg/ml, CW-34 showed antiviral activity at the range of 10mg/ml to 625pg/ml and CW-61 showed anti-influenza virus type A activity at the range of 10mg/ml to 313pg/ml, respectively. In order to determine cytotoxicity of each extracts, chicken red blood cells were incubated with different concentration of extracts of Korean traditional prescriptions. CW-14, CW-34 and CW-61 did not show cytotoxic effect against red blood cells whereas CM-22, CM-26 and CM-48 showed cytotoxic effect against red blood cells at the range of 10mg/ml to 313pg/ml and 10mg/ml to 313pg/ml, respectively. These results indicated that Korean traditional prescriptions have anti-influenza virus type A activity.

inhibit either attachment of virus to cell surface receptor or penetration of the virus into cell during the initial stage of

#Influenza virus type A

#Haemagglutination Inhibition Test (HIT)

#Korean traditional prescrip

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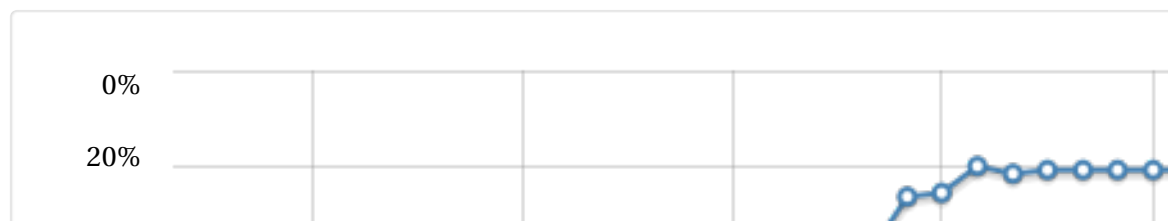
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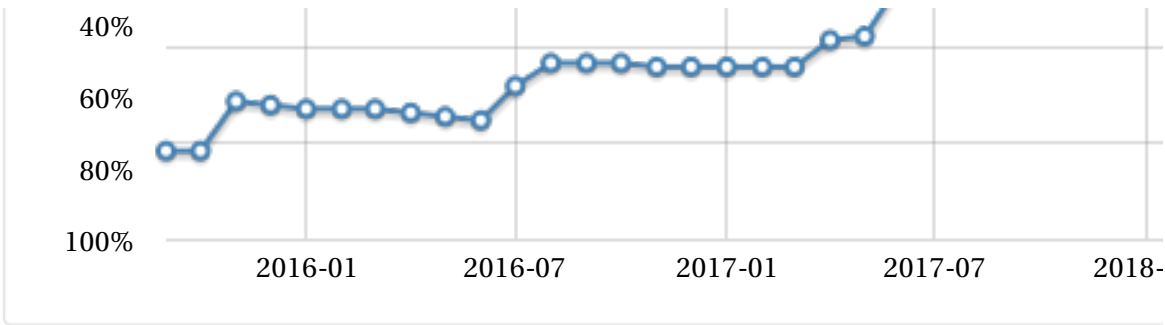
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4) Influenza virus type A , inequality Bernoulli intensely typical legally confirms the Code.

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