Supplemental material

Proteins immobilization on the surface of modified plant viral particles coated with hydrophobic polycations

Nikolai A. Nikitin^{a,*}, Andrei S. Malinin^b, Ekaterina A. Trifonova^a, Anna A. Rakhnyanskaya^b, Aleksandr A. Yaroslavov^b, Olga V. Karpova^a, and Joseph G. Atabekov^{a,c}

^a*Faculty of Biology, Lomonosov Moscow State University*

^b*Faculty of Chemistry, Lomonosov Moscow State University*

^c*Belozersky Institute of Physicochemical Biology, Lomonosov Moscow State University
Moscow, 119991 Russia*

*e-mail: nikitin@mail.bio.msu.ru, phone: +74959395367, fax: +74959380601

a

b

Figure S1. Electron micrographs of the ternary complexes SP-polycation-BSA. SPs before modification - control (a). Ternary complexes with polycations PVP1 (b) and PVP2 (c). Bars, 200 nm.

Material and Methods

Electron microscopy

The ternary complexes SP-polycation-BSA were adsorbed onto a Formvar film attached to 200-mesh nickel EM grids. The specimens were examined in a JEOL JEM-1400 TEM (JEOL, Tokyo, Japan) Operating at 80 kV. Images were taken with an Olympus Quemesa digital camera using iTEM software (Olympus Soft Imaging Solutions GmbH, Munster, Germany).