



Article

Efficient Production of Chimeric Hepatitis B Virus-Like Particles Bearing an Epitope of Hepatitis E Virus Capsid by Transient Expression in *Nicotiana Benthamiana*

Gergana Zahmanova ^{1,2,*}, Milena Mazalovska ¹, Katerina Takova ¹, Valentina Toneva ^{1,3}, Ivan Minkov ^{2,3}, Hadrien Peyret ⁴ and George Lomonossoff ^{4,*}

- Department of Plant Physiology and Molecular Biology, University of Plovdiv, Plovdiv, 4000, Bulgaria; gerganaz@uni-plovdiv.bg
- ² Center of Plant Systems Biology and Biotechnology, Plovdiv, 4000, Bulgaria; minkov@cpsb.eu
- Department of Biological Chemistry, John Innes Centre, Norwich Research Park, Colney NR4 7UH, UK; george.lomonossoff@jic.ac.uk
- * Correspondence: (G.Z.); george.lomonossoff@jic.ac.uk (G.L.); Tel.: +359 32 261529 (G.Z.); Tel.: +44 1603 450351 (G.L.)

Supplementary Materials:

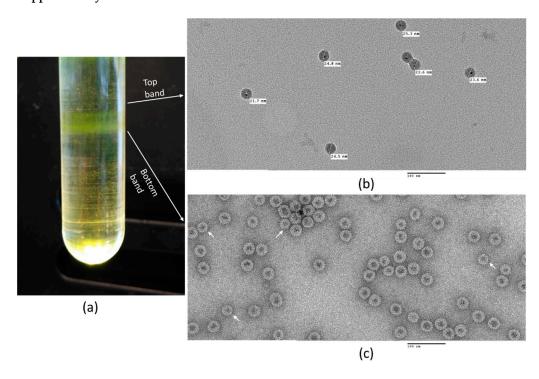


Figure S1. Nycodenz gradient purification and transmission electron microscopy (TEM) for the detection of HBcAg VLPs. (a) Visualization of two bands in Nycodenz gradient by downward illumination of the tube; (b) Negative stain TEM of the top band from Nycodenz gradient; (c) Negative stain TEM of bottom band from Nycodenz gradient. Scale bar = 100 nm. Arrows indicate smaller particles.

Life **2021**, 11, 64 S2 of S2

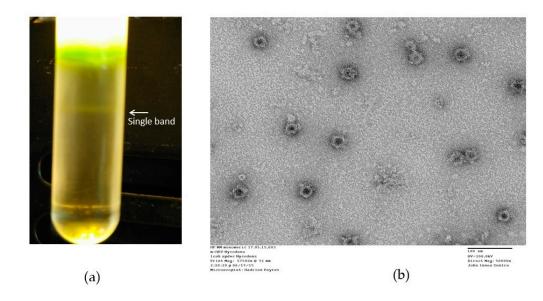


Figure S2. Nycodenz gradient purification and transmission electron microscopy (TEM) detection of HBcHEV ORF2 551–607 VLPs. (a) Visible single band of VLPs observed from Nycodenz gradient; (b) TEM imaging of the collected single band. Particles were visualized by negative staining with uranyl acetate. Scale bar = 100 nm.