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Supporting information for article:

Preparation and characterization of inactivated tick-borne encephalitis virus samples for single-particle imaging at the European XFEL

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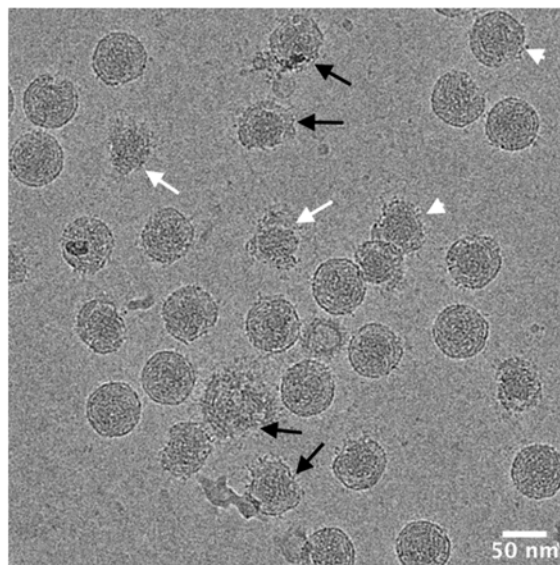


Figure S1 Cryo-electron microscopy of iTBEV. The sample contained mature particles, immature particles (white arrows), broken particles (black arrows), and semi-mature particles (white arrowheads).

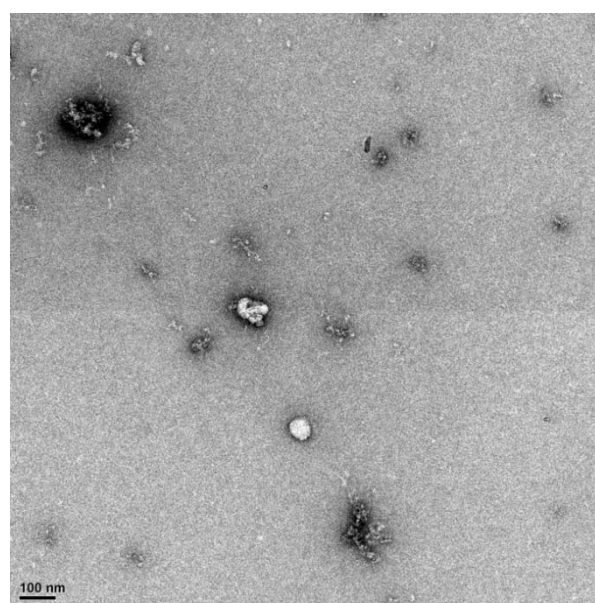
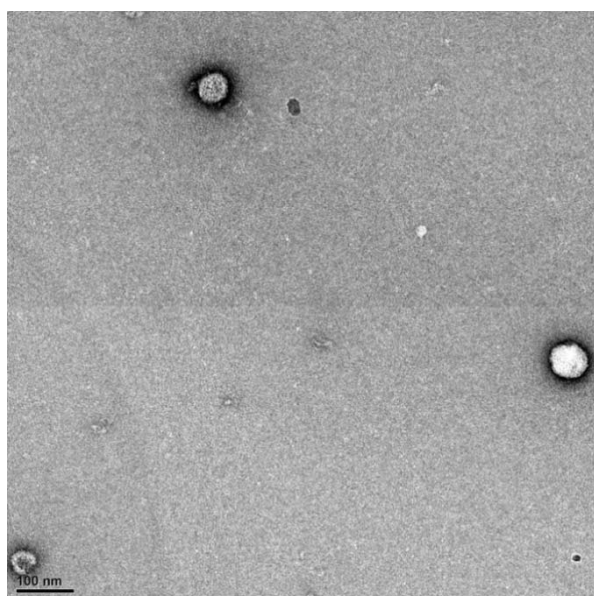


Figure S2 Negative stain TEM of iTBEV prepared using Protocol 2. (Figure 2, main text)

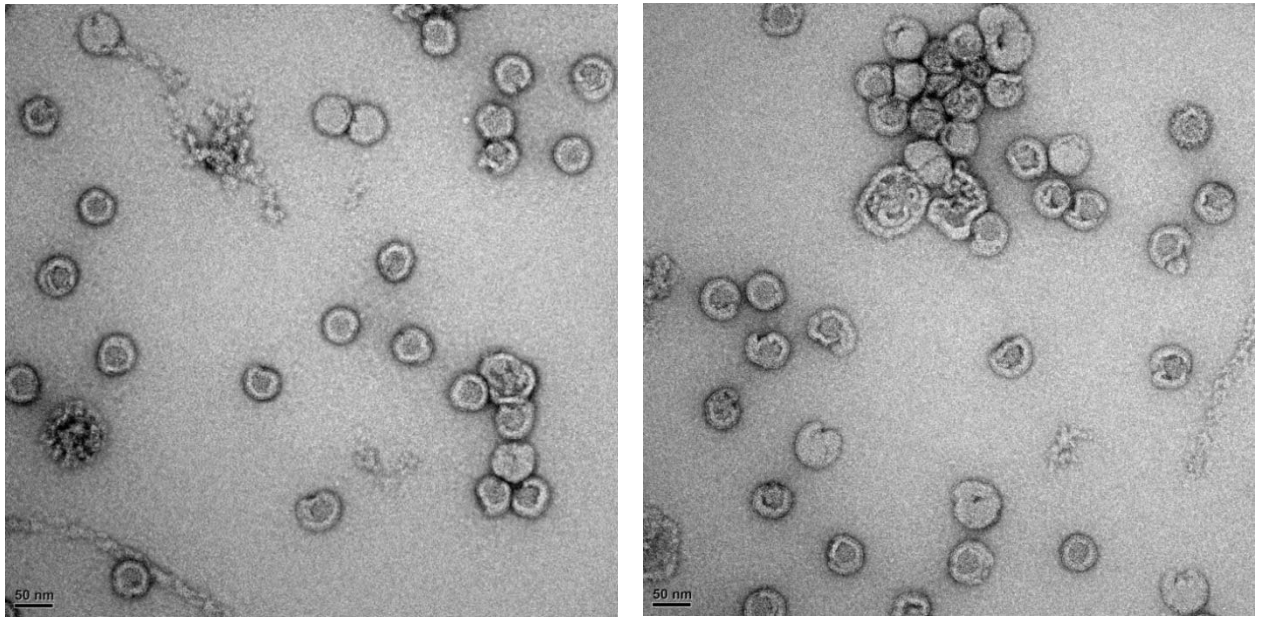


Figure S3 Negative stain TEM of iTBEV samples prepared using Protocol 1 (Figure 2, main text)

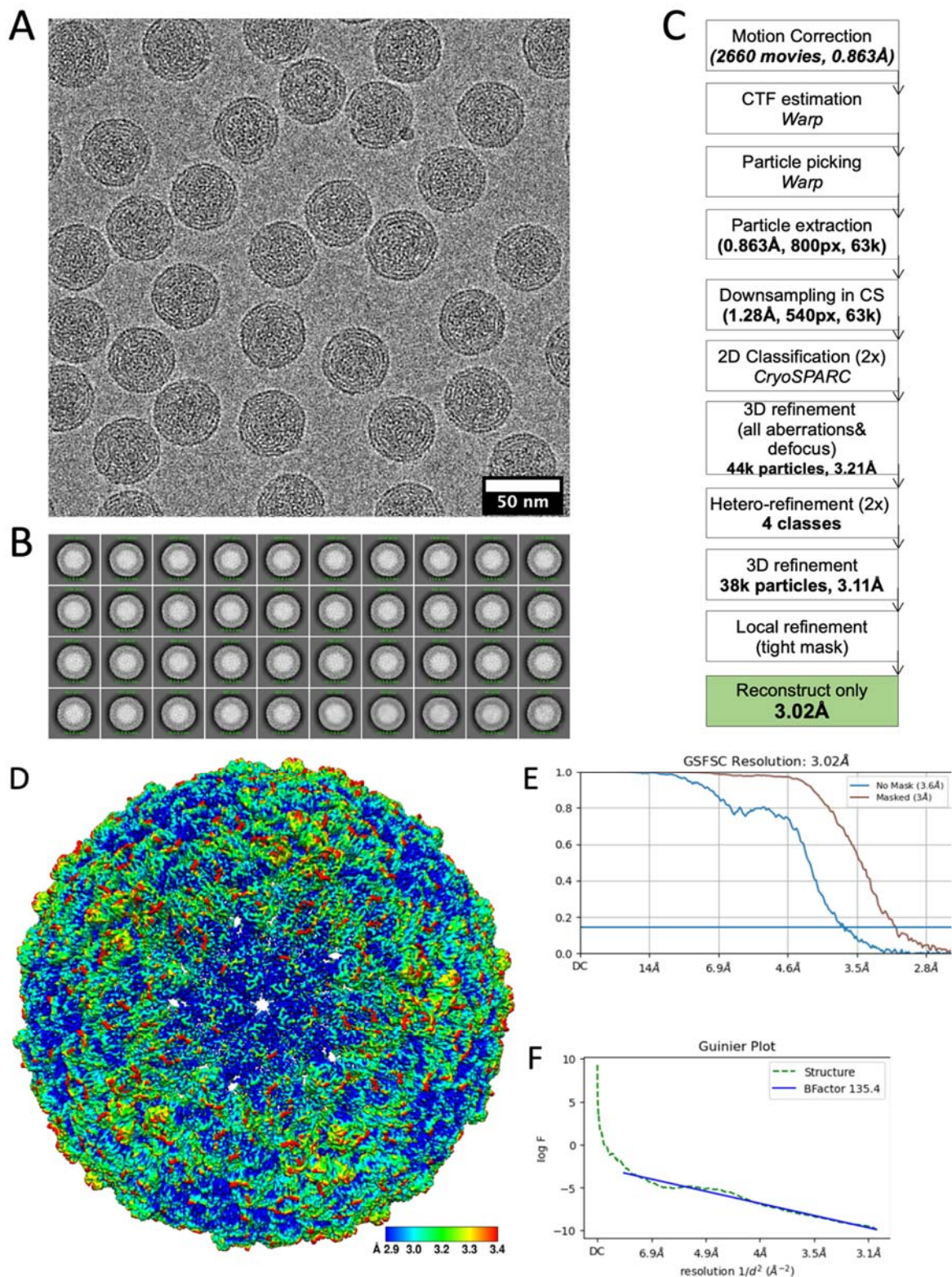


Figure S4 Cryo-EM data processing workflow. (A) Representative experimental cryo-EM image (B) Representative 2D classes after second run of 3D classification (C) Data-processing workflow. (D) Quality assessment of the cryo-EM data, local resolution map, calculated in cryoSPARC with the FSC=0.5 criteria (E) FSC plot (F) Guinier plot.