

Supplemental material for
Uptake without inactivation of human adenovirus type 2 by
Tetrahymena pyriformis ciliates

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Running title: Interaction of human adenovirus type 2 with ciliates.

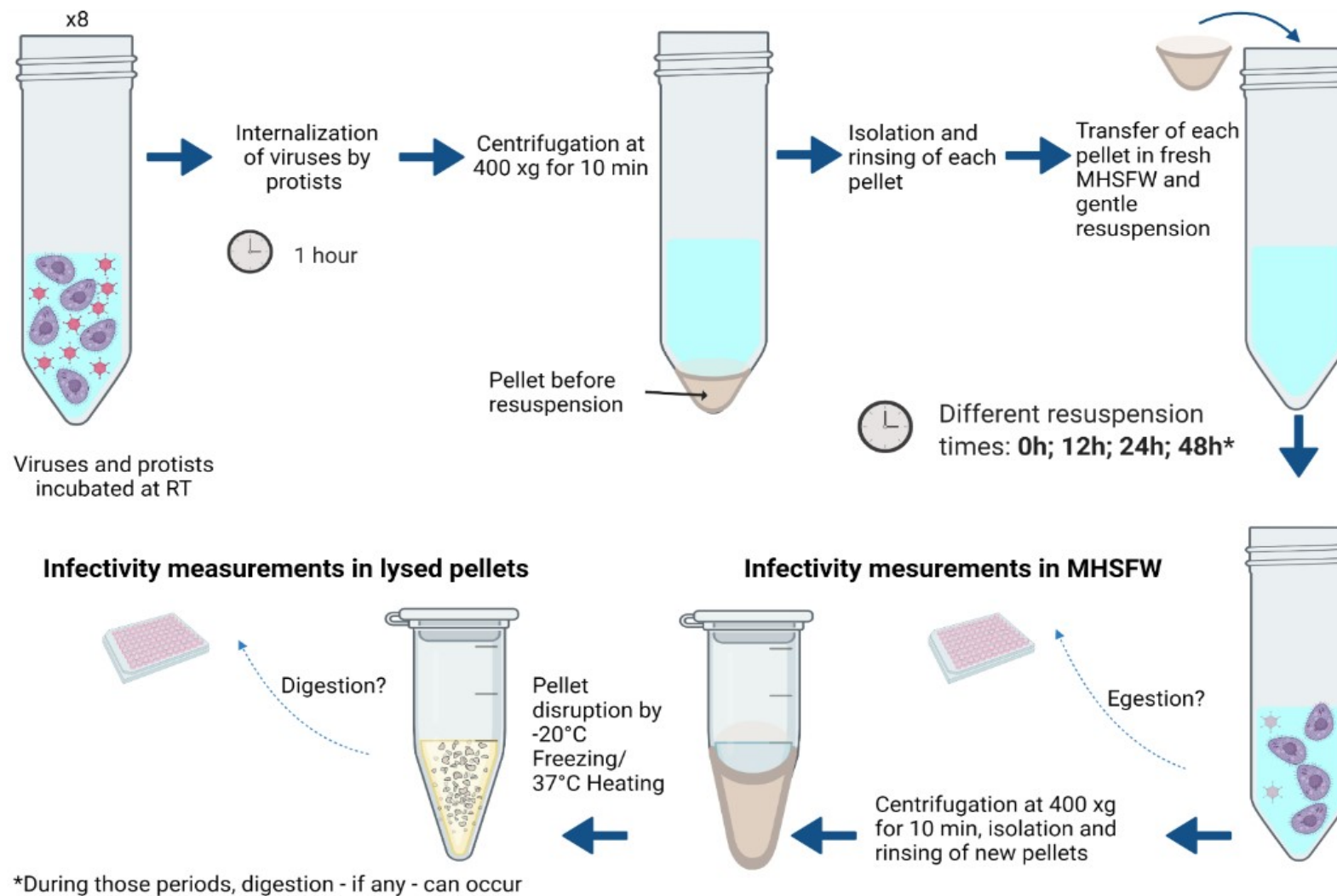


Figure S1: **Experimental design to study egestion and digestion** (created with Biorender)

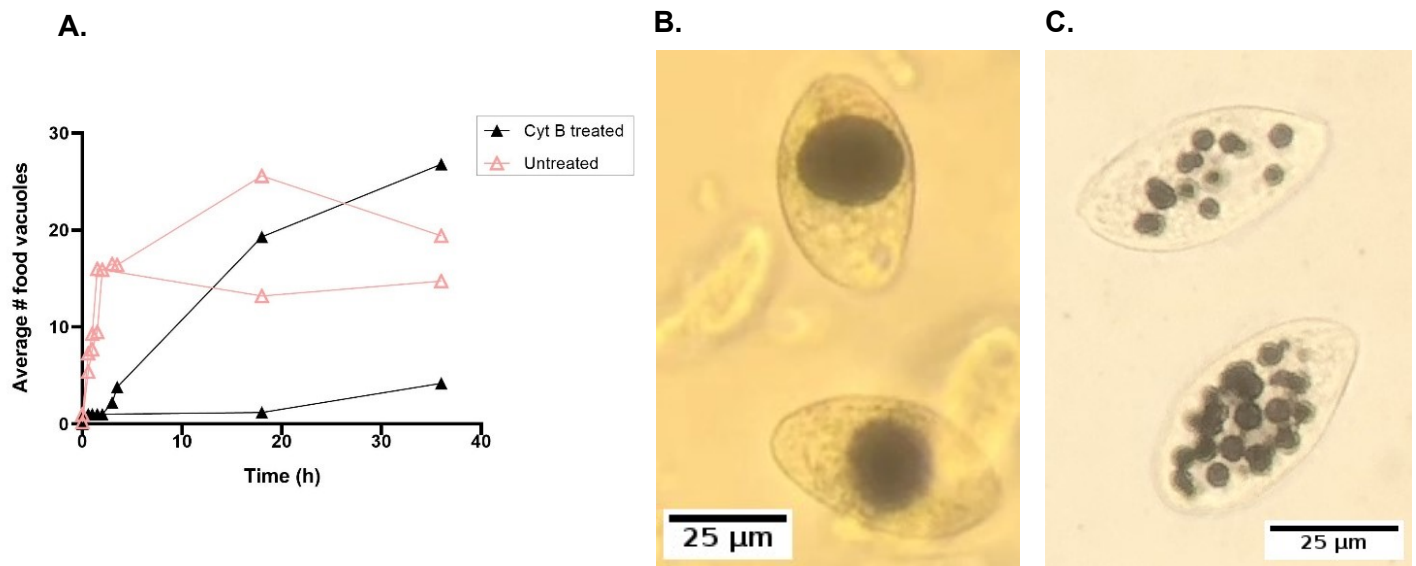


Figure S2: Effect of Cytochalasin B on food vacuoles (A) Monitoring of food vacuole formation for Cyt B treated and untreated *T. pyriformis* (full time course, in duplicate) (B) Light microscopy image of carbon-stained food vacuoles from Cyt B treated-*T. pyriformis* and (C) untreated *T. pyriformis* (approximative scale-bar).

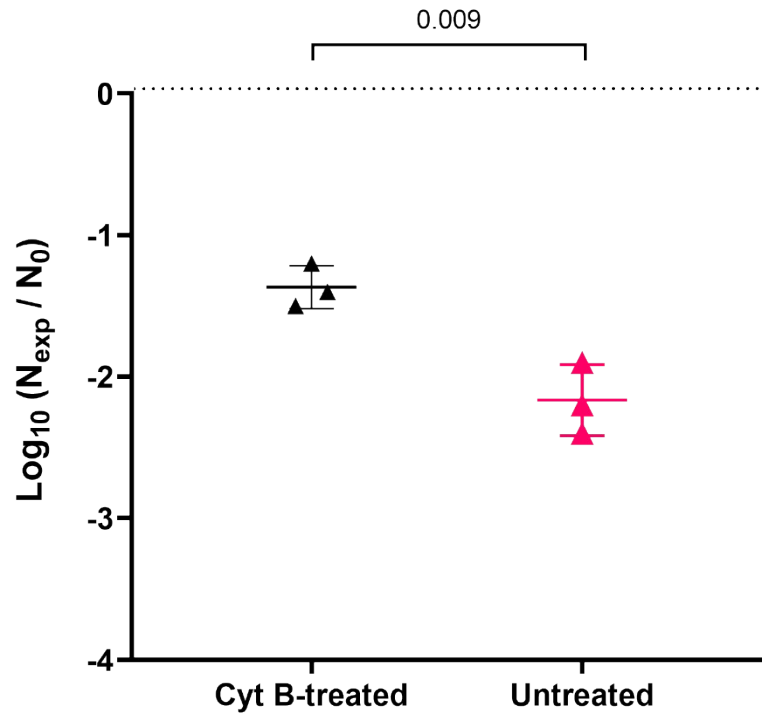


Figure S3: Log₁₀ reduction in HAdV2 genomic copies after a 21h co-incubation of the virus with either Cytochalasin B-treated *T. pyriformis* or non-treated organisms. The initial virus titer was 2×10^7 GC \times ml⁻¹ and 4×10^6 MPN \times ml⁻¹. The initial *T. pyriformis* concentration was 7×10^4 cells \times ml⁻¹. The horizontal bars indicate the mean value of three replicates and the vertical bars indicate the standard deviation. The p-value is indicated above (unpaired two-sided t-test; $t(4)=4.707$; p-value = 0.009).

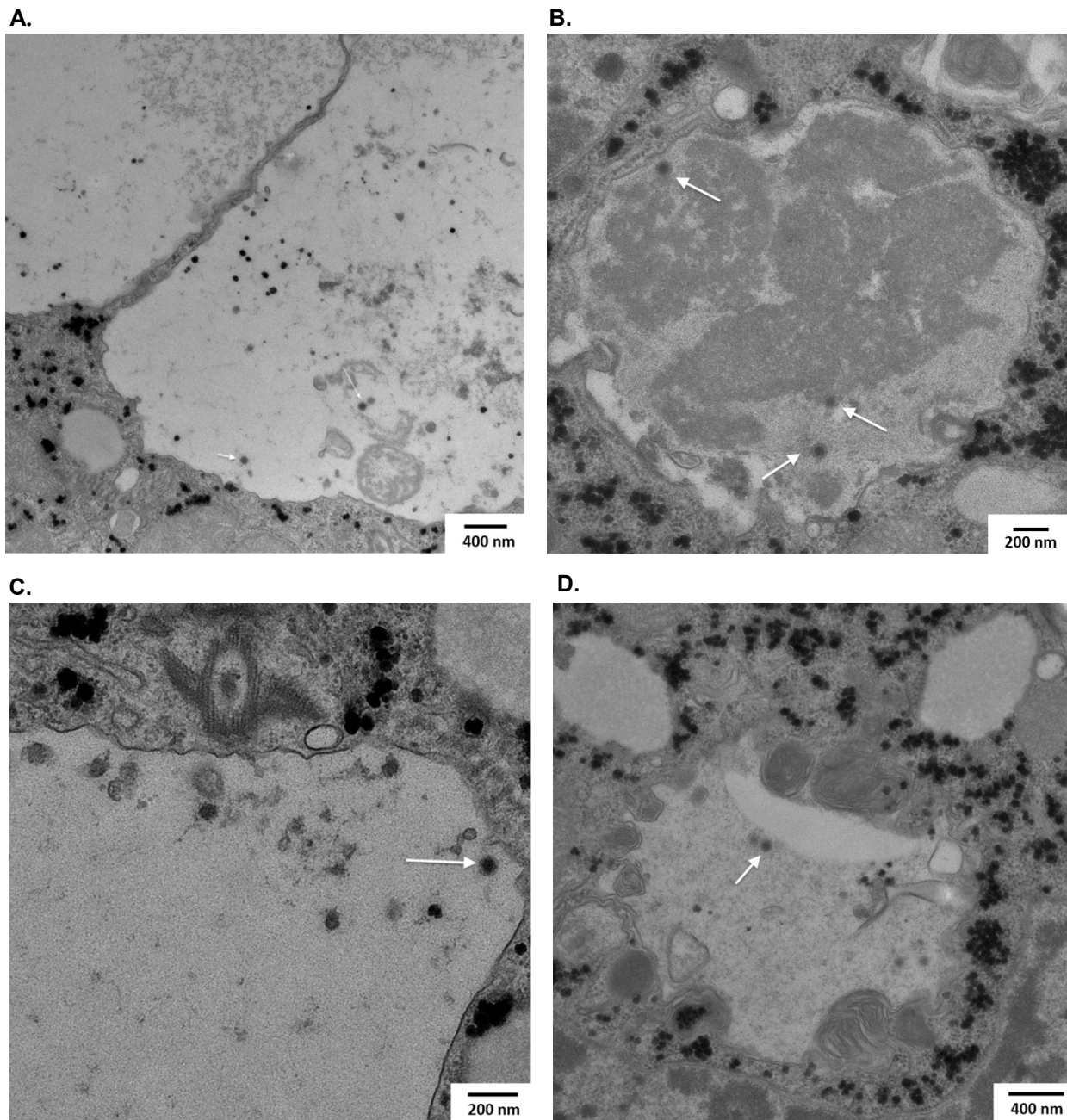


Figure S4: (A) to (D) Transmission electron microscopy views of HAdV2 particles in food vacuoles of exposed *T. pyriformis*.