Supplemental data to "Development and Characterization of Electronic-Cigarette Exposure Generation System (Ecig-EGS) for the physico-chemical and toxicological assessment of electronic cigarette emissions"

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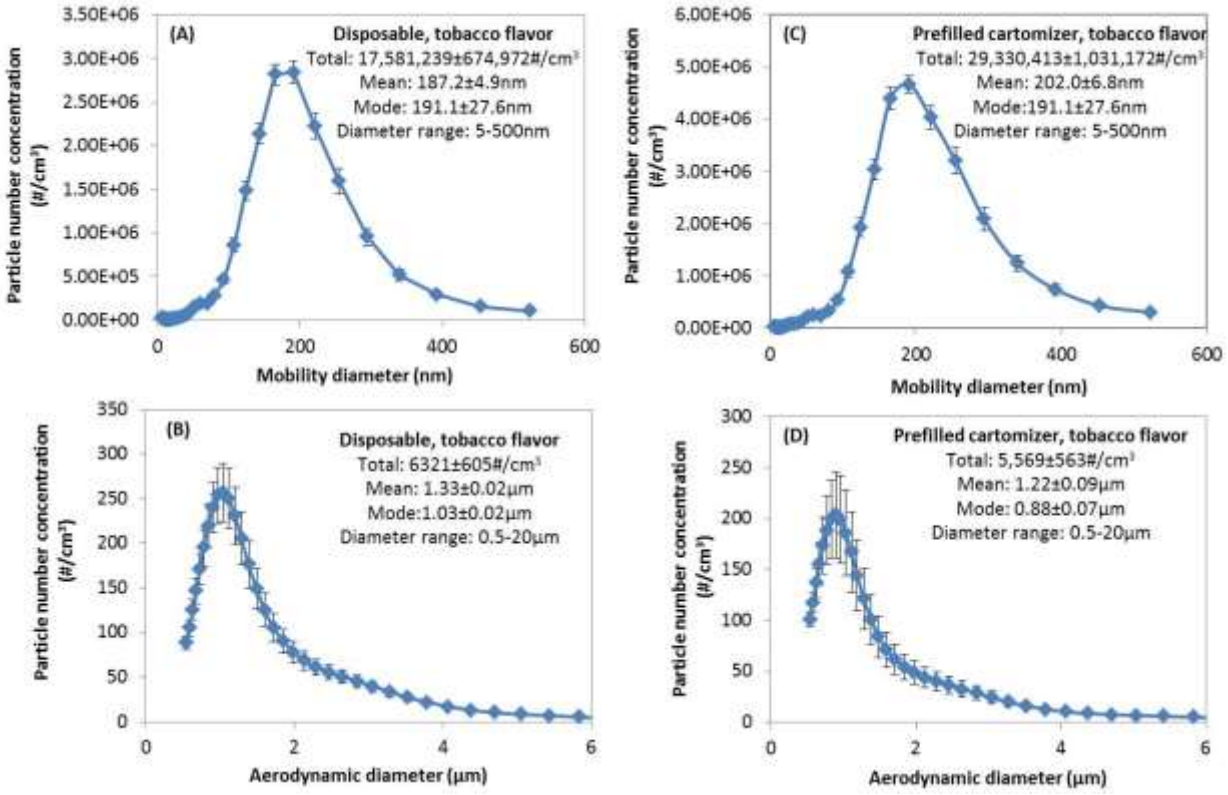

Figure S1. Particle number concentration generated by other types of e-cig: disposable: (A) mobility diameter range of 5-500 nm; (B) aerodynamic diameter range of 0.5-20 µm; and prefilled Vape Pen: (C) mobility diameter range of 5-500 nm; (D) aerodynamic diameter range of 0.5-20 µm. (Other parameters: puffing protocol: MPP protocol; applied voltage: 3.7V; environmental condition: 24°C and 35%RH; chamber residence time: 60s).

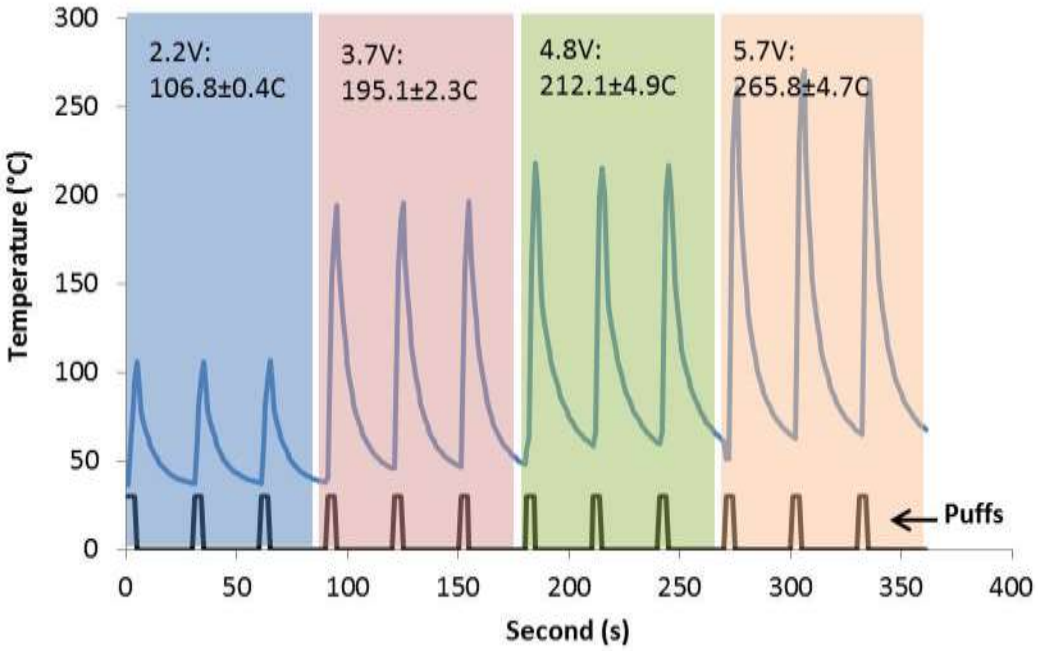

Figure S2. Correlation between operating temperature and applied voltage. The temperature was measured at the e-cig heating coil, in touch with e-liquid.

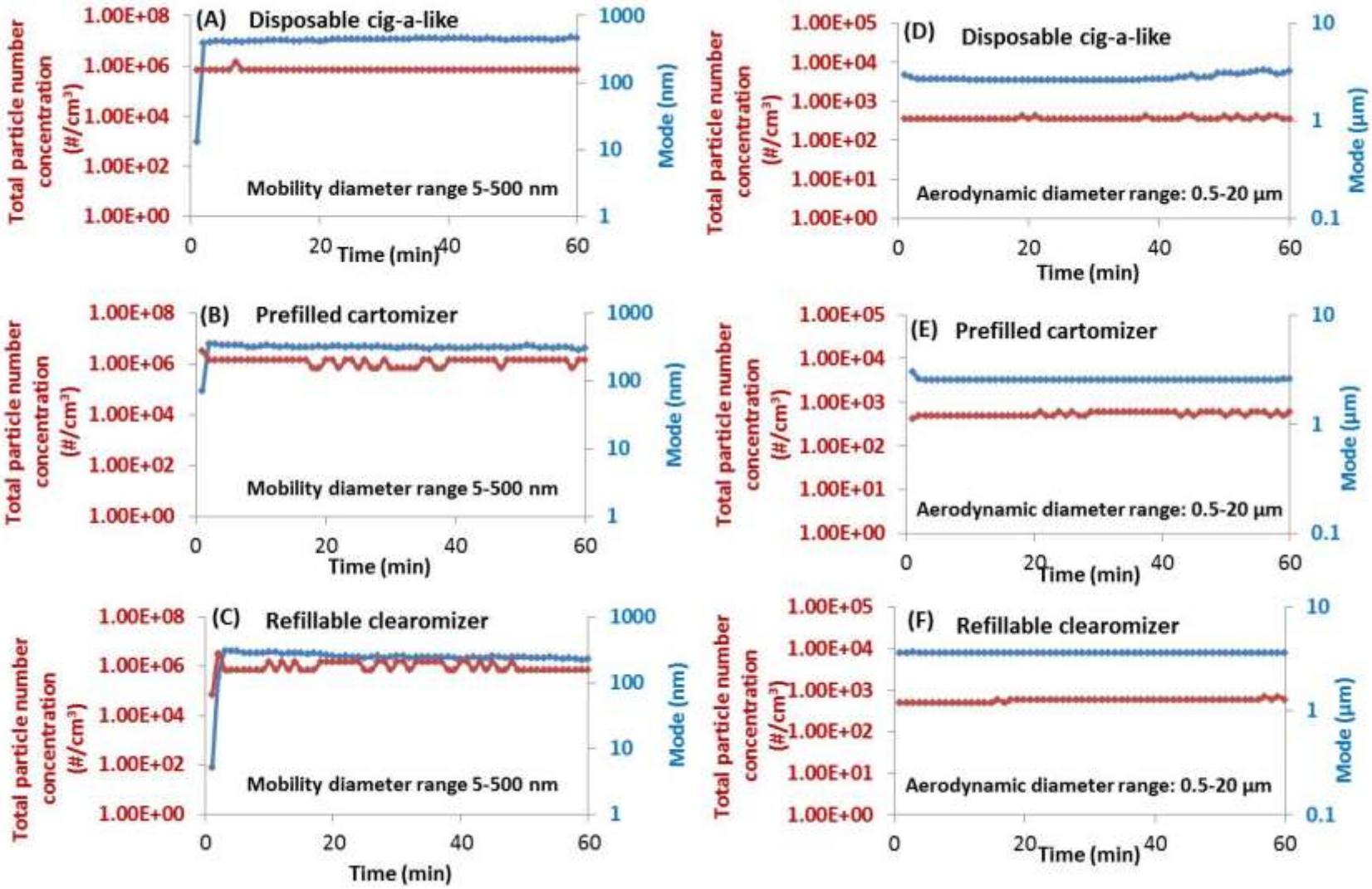

Figure S3. Steady state particle number concentration and mode over one hour. (A) disposable cig-a-like in mobility diameter range 5-500nm; (B) prefilled cartomizer in mobility diameter range 5-500nm; (C) refillable clearomizer in mobility diameter range 5-500nm; (D) disposable cig-a-like in aerodynamic diameter range 0.5-20µm; (E) prefilled cartomizer in aerodynamic diameter range 0.5-20µm; (F) refillable clearomizer aerodynamic diameter range 0.5-20µm. (Other parameters: puffing protocol: MPP protocol; applied voltage: 3.7V; environmental condition: 24°C and 35%RH; chamber residence time: 60s). The prefilled cartomizer used here was a different model compared to the one used in Figure S1. In this figure, mobility diameter was measured by NanoScan scanning mobility particle sizer (SMPS, Model 3910, TSI Inc., Shoreview, MN).