

Supplementary Materials: Design and Simulation of Aerosol Inlet System for Particulate Matter with a Wide Size Range

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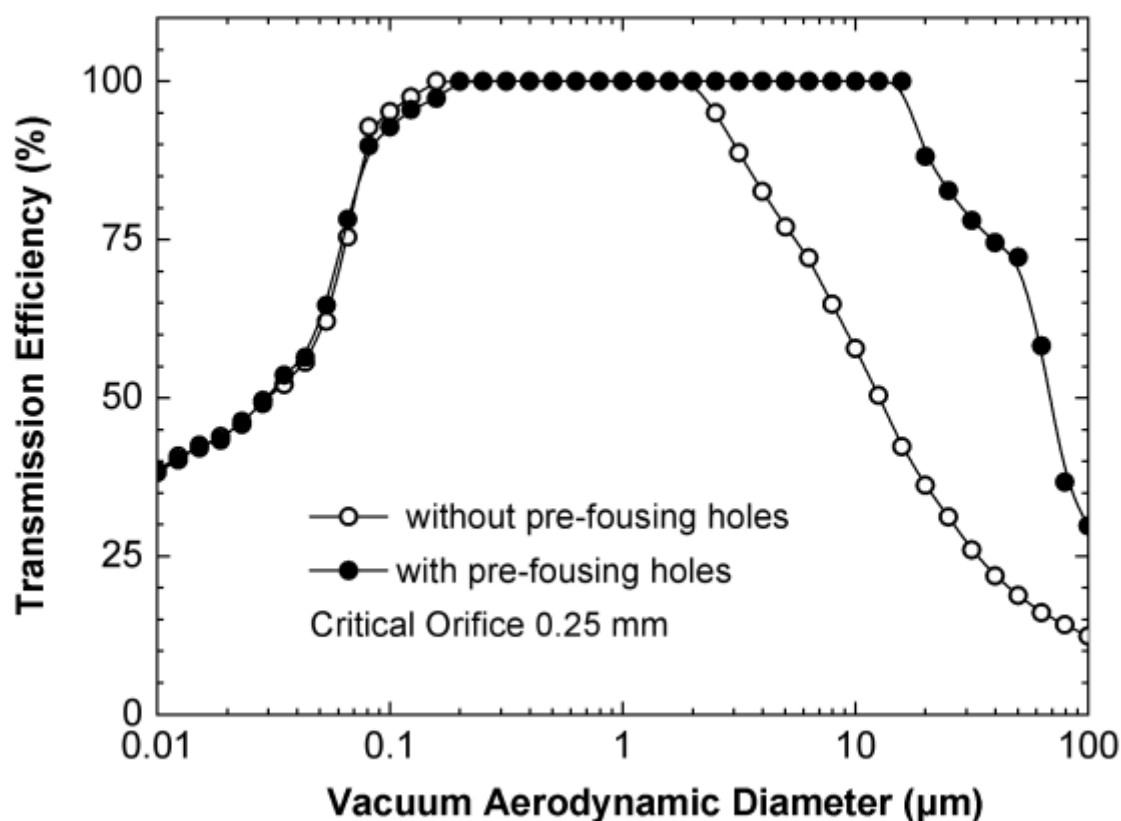


Figure S1. The transmission efficiency of PM with different sizes with and without pre-focusing.

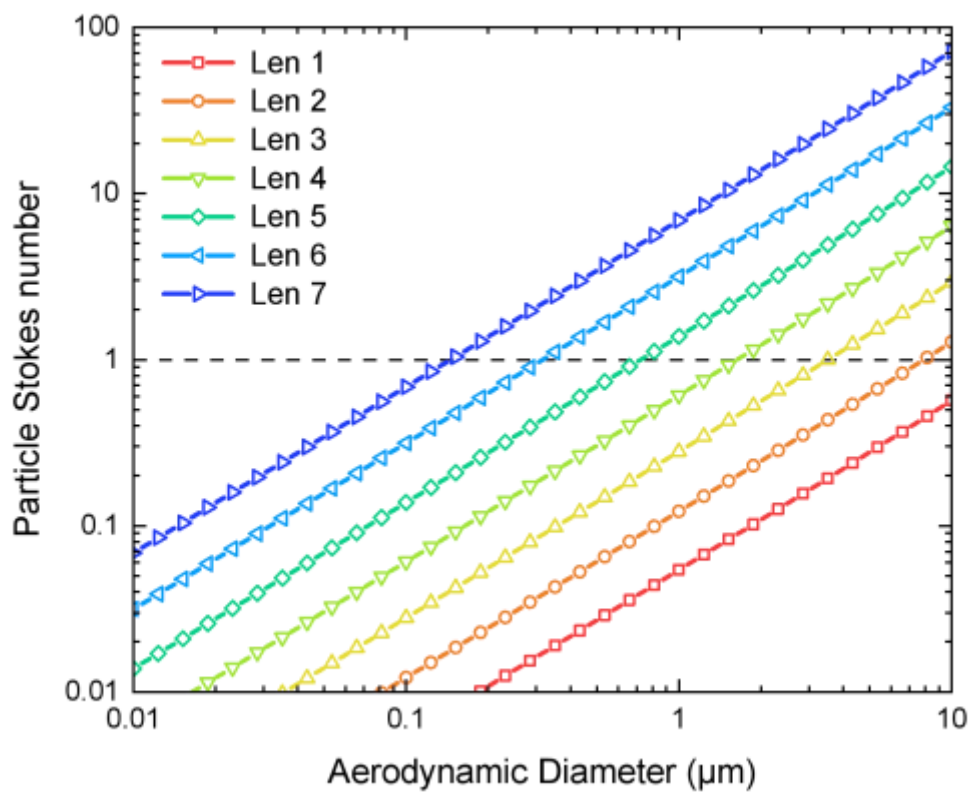


Figure S2. Particle Stokes number (St) distribution of PM with different sizes at the orifice position of every lens.

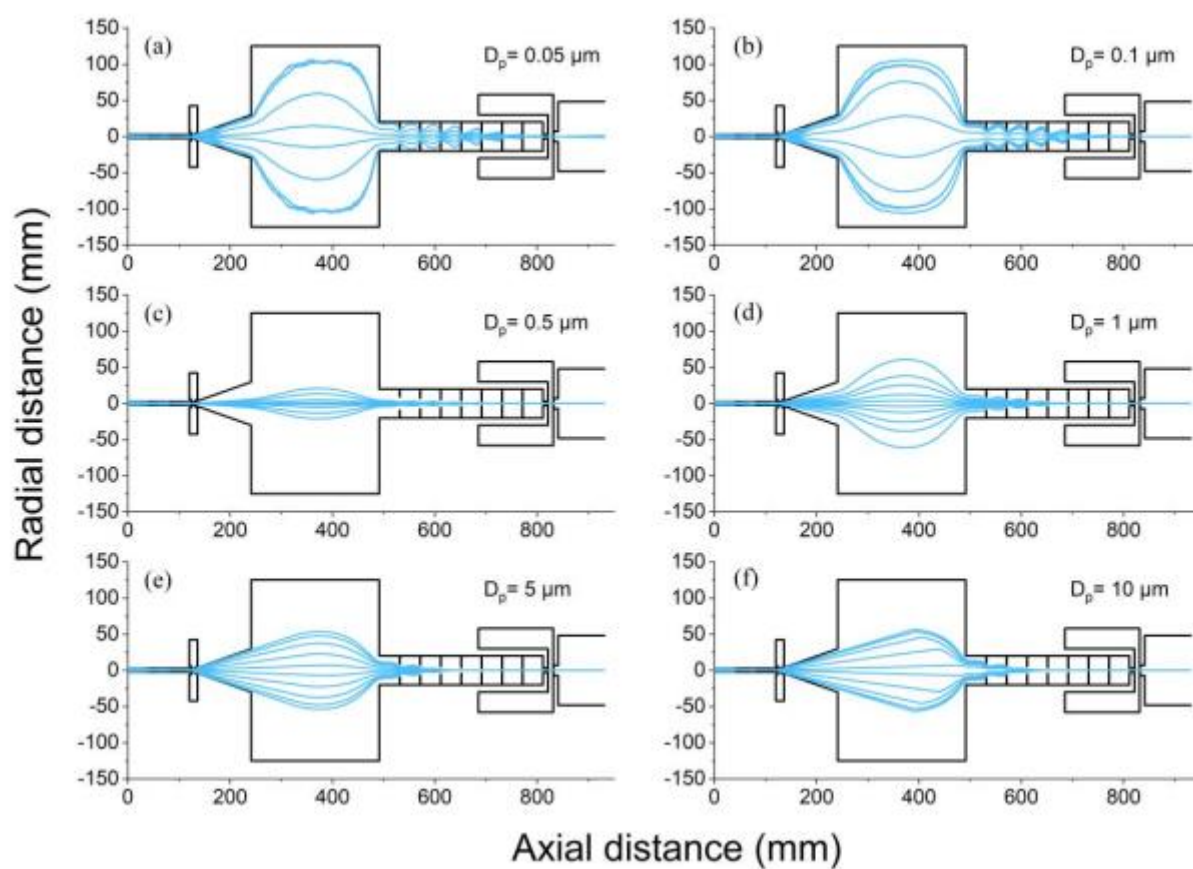


Figure S3. Simulation on particle transmission track in the full-size range.

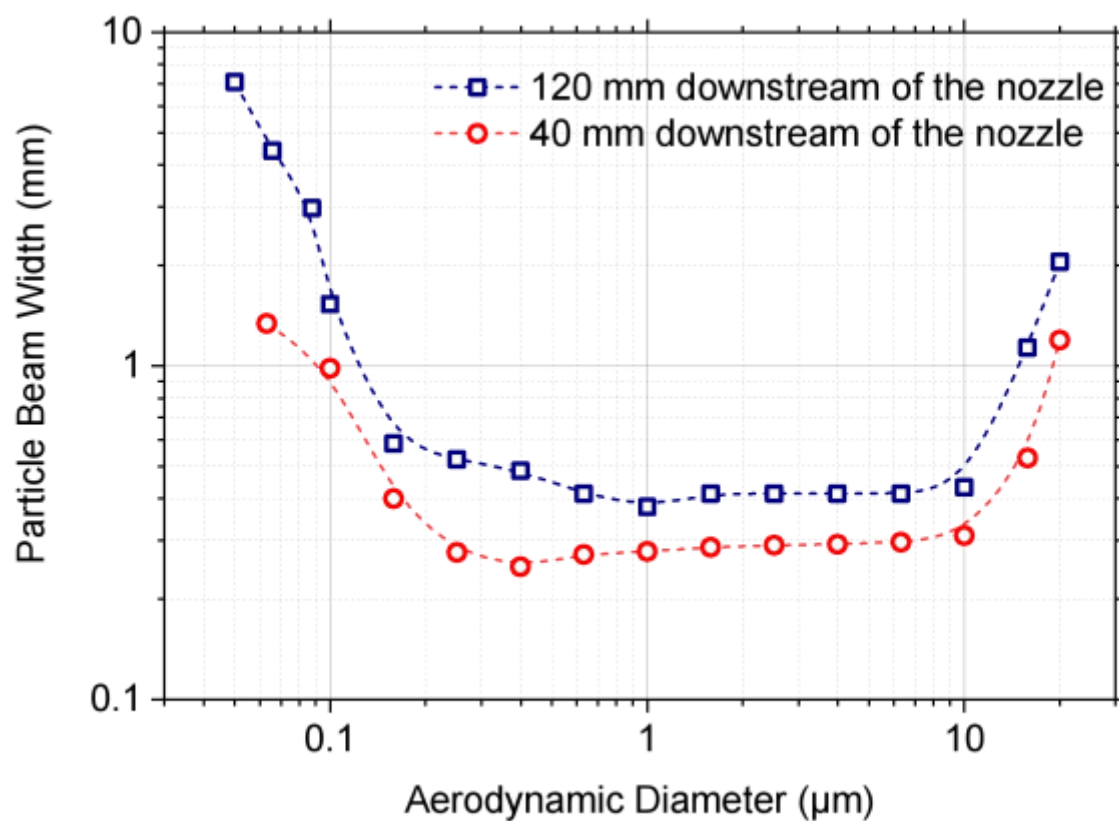


Figure S4. Numerical simulation results of particle beam radius at 40 mm and 120 mm downstream of the acceleration nozzle.

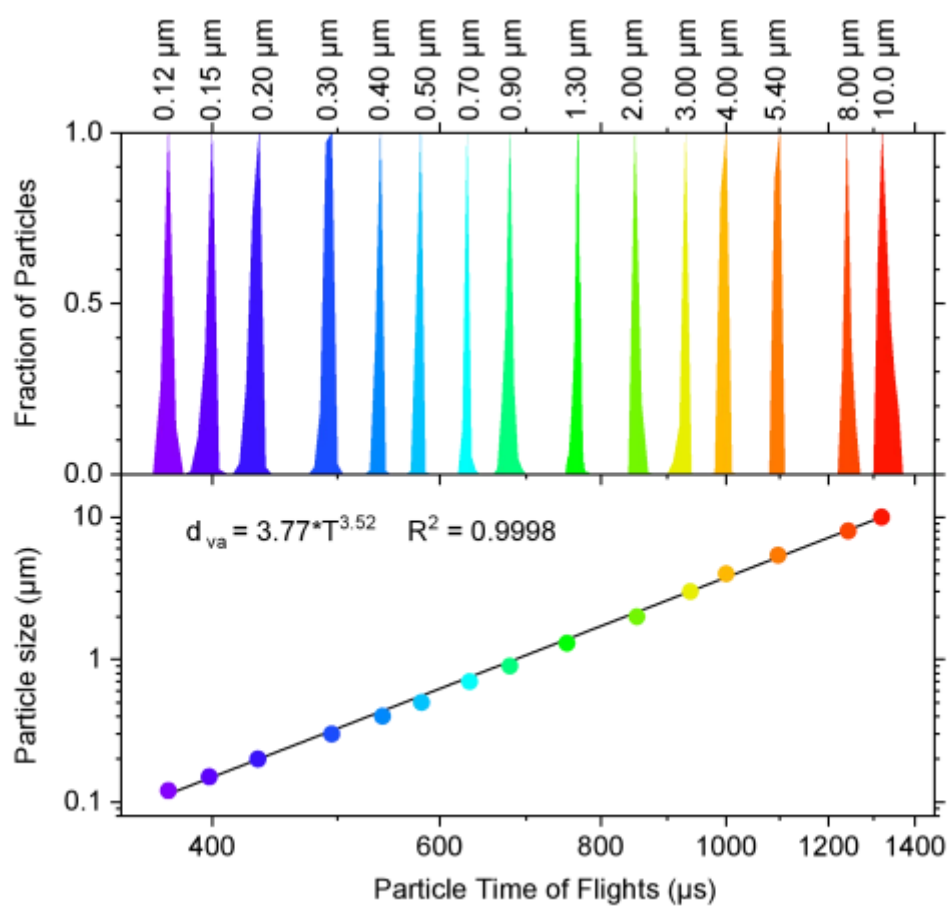


Figure S5. Particle size curve calibrated using PSL microspheres.