



Supplementary materials

Influence of Pre-Dispersion Media on the Batch Reactor Dissolution Behavior of Al₂O₃ Coated TiO₂ (NM-104) and Two ZnO (NM-110 and NM-111) Nanomaterials in Biologically Relevant Test Media

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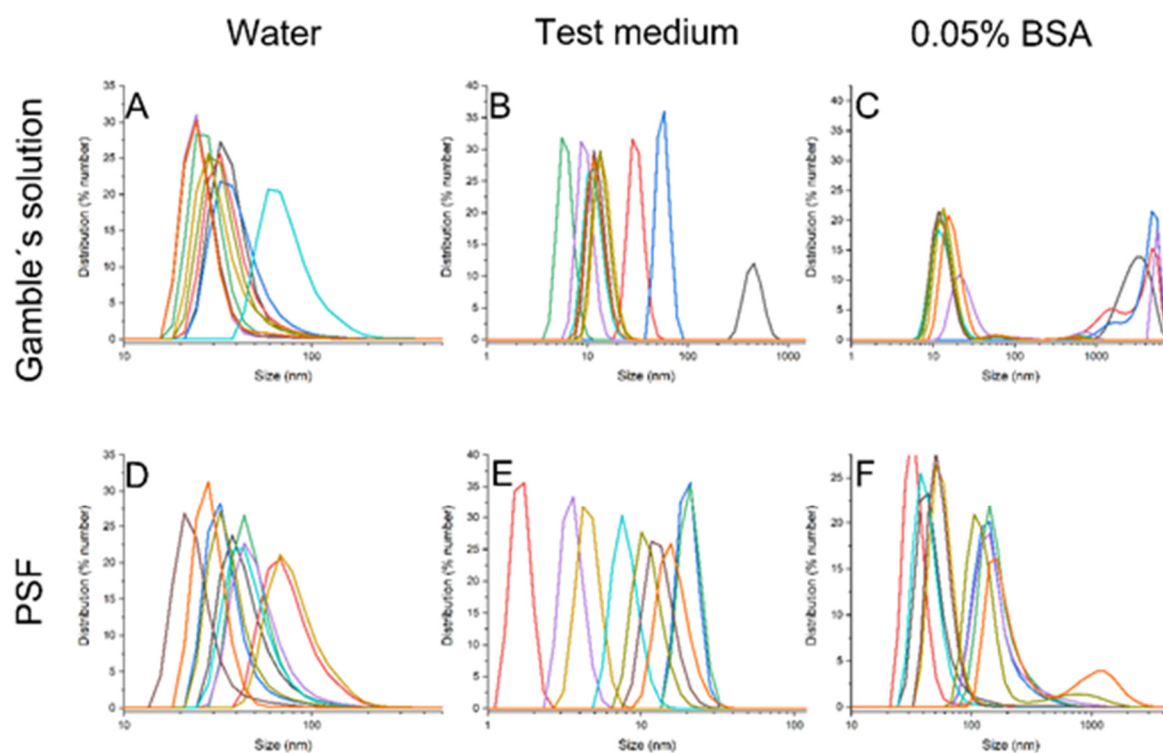


Figure S1. Hydrodynamic size distribution of TiO₂ (NM-104). Dispersed in (A) water; (B) low-calcium Gamble's solution; (C) 0.05% BSA; (D) water; (E) phagolysosomal simulant fluid (PSF); (F) 0.05% BSA. The dissolution behavior A-C was further tested in low-calcium Gamble's solution and D-F in PSF.

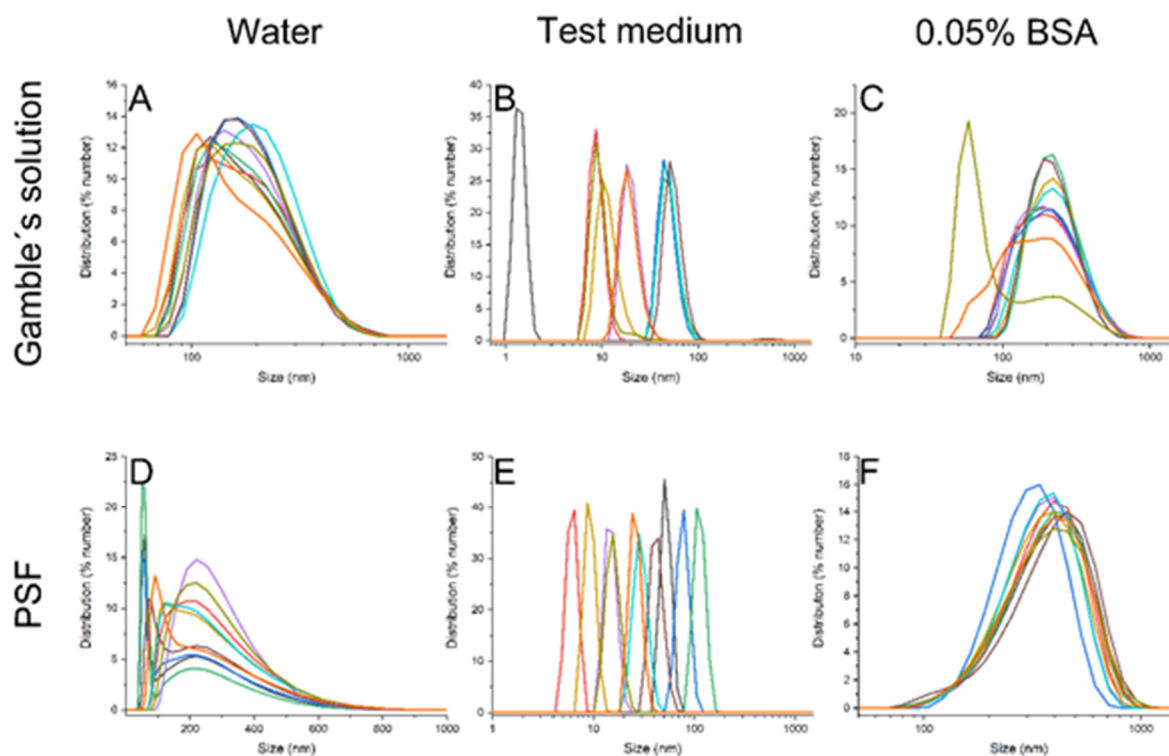


Figure S2. Hydrodynamic size distribution of ZnO (NM-110). Dispersed in (A) water; (B) low-calcium Gamble's solution; (C) 0.05% BSA; (D) water; (E) phagolysosomal simulant fluid (PSF); (F) 0.05% BSA. The dissolution behavior A-C was further tested in low-calcium Gamble's solution and D-F in PSF.

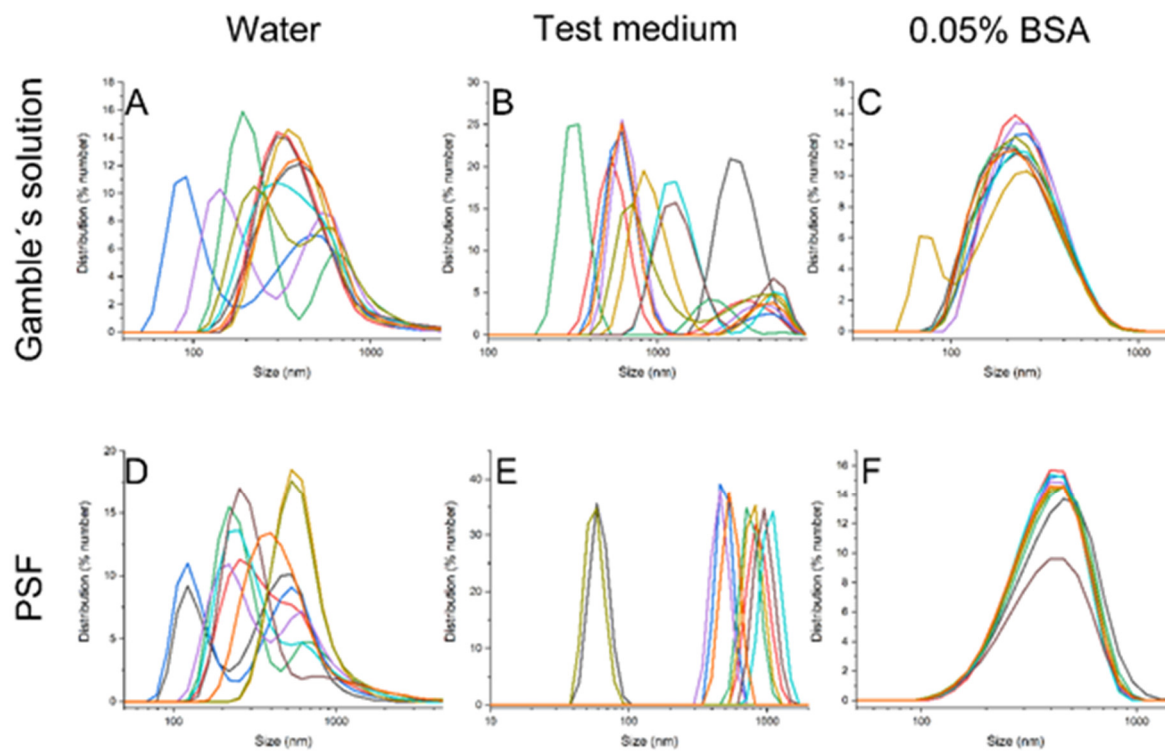


Figure S3. Hydrodynamic size distribution of ZnO (NM-111). Dispersed in (A) water; (B) low-calcium Gamble's solution; (C) 0.05% BSA; (D) water; (E) phagolysosomal simulant fluid (PSF); (F) 0.05% BSA. The dissolution behavior A-C was further tested in low-calcium Gamble's solution and D-F in PSF.