

Materials List for:

A System to Create Stable Nanoparticle Aerosols from Nanopowders

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Materials

Name	Company	Catalog Number	Comments
titanium dioxide nanopowder	JRC	NM-103/104	Reference materials provided within EU FP7 MARINA project
silicon dioxide nanopowder	AEROSIL	R974	
silicon dioxide nanopowder	JRC	NM-200	Reference materials provided within EU FP7 MARINA project
zinc oxide nanopowder	JRC	NM-110/111	Reference materials provided within EU FP7 MARINA project
cerium dioxide nanopowder	JRC	NM-211/212	Reference materials provided within EU FP7 MARINA project
The V-shaped aerosol generator	Souffleur de verre S.A.		Specially made based on conditions required in the experiments (e.g., geometry, thickness)
scanning mobility particler sizer (SMPS)	GRIMM	Model N° 5.403	Size range: 11.1–1083.3 nm (impactor: d50=1,082 nm); composed of a condensation particle counter (CPC) and a dynamic mobility analyzer (DMA); sampling flow ate: 0.3 L/min; sheath flow rate: 3.0 L/min; with standard multiple charge correction and diffusion loss correction.
optical particle counter (OPC)	GRIMM	Model N° 5.403	Size range: 0.25-32 µm
mini-particle sampler (MPS)	ECOMESURE		
transport tubes	Milian S.A.	8 mm-conductive	6 mm inner diameter