

# Versatile Dual-Inlet Sample Introduction System for Multi-Mode Single Particle Inductively Coupled Plasma Mass Spectrometry Analysis and Validation

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## Materials

Name	Company	Catalog Number	Comments
Au ionic (1000 mg L <sup>-1</sup> stock)	VWR, UK	85550.18E	
Ag ionic (1000 mg L <sup>-1</sup> stock)	Ultra Scientific, RI, USA	ICM-103	
Ag NP (75nm, NIST 8017)	NIST, Gaithersburg, MD, USA		no longer available
Au NP (60nm, NIST 8013)	NIST, Gaithersburg, MD, USA		no longer available
Ce ionic (1000 mg L <sup>-1</sup> stock)	VWR, UK	85557.18E	
CeO <sub>2</sub> (10-100nm, NM212)	EU Joint Research Centre	NM212	
Excel 2016	Microsoft		
Fiji	ImageJ		
Glass female spherical ball + Glass male ball	Fisher Scientific	12499016	
HCl (emprove bio)	Merck, Germany	100317	
ICP-MS spray chamber with impact bead	LabKings	LK6-45013 (OEM 3600170)	
Metal clamps for spherical glass joint	Fisher Scientific	11322015	
Metal T-Piece	Swagelok	SS-4-VCR-T	
Microdrop Dispenser Head, non heated	microdrop Technologies	944	
Microdrop Dispensing System MD-E-3000	microdrop Technologies		
MilliQ water (MilliPore gradient)	Merck MilliPore, Darmstadt, Germany		
O-ring free quartz torch	Analytical West	450-301	
PFA-ST concentric nebulizer	Elemental Scientific	ES-2042	

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Silicone Rubber Tubing - 60° Shore - Platinum Cured - Black	Silex		
XIMEA Cam Tool	XIMEA		