Which Particle Product meets my needs best?

Which type of particle is to be measured?	What do you want to do primarily?		Appropriate particle product	Comment
Airborn particles	size calibrations or size validations	< 1.0µm	Particle Size Standards **HS (High Solids) Series**	• certified sizes; • high solids content; • no drying necessary; • good formation of single particles during evaporation
		< 5µm	Particle Size Standards **LS (Low Solids) Series**	• certified sizes; • no drying necessary; • very good formation of single particles and drying the particles during measurement
		> 5µm	**Particle Powder Standards**	• certified sizes as dry powders; • very low to zero aggregation
particles suspended in water	size calibrations or size validations	high solids content for measurement necessary	Particle Size Standards **HS (High Solids) Series**	• certified sizes; • high solids content; e.g. for particle sizers using laser diffraction or scattering technique
		only low solids content is needed	Particle Size Standards **LS (Low Solids) Series**	• certified sizes; • ideal for particle counters, e.g. single optical particle counting instruments and those using Coulter® counting method
	rough size check		**Test Particles**	• low budget product; • no certificate but data can be downloaded from web site
	general particle experiments			
	counting of particles	USP 24 validation	**PharmaCount1510 Kits**	• certified particle concentrations; • ideal for low budget validations between the mandatory USP 24 intervals • please contact us for further information
		to validate particle counting devices	**Particle Count Standard Kits**	• certified particle concentrations; • please contact us for further information
		to optimize measurement conditions		
particles suspended in an organic liquid	experiments needing particles having monodisperse size distributions	relative size calibrations	**Particle Powder Standards**	• certified sizes (for water suspensions); • particles consist of highly cross-linked polymers, i.e. particles are not soluble and can be suspended in almost all organic liquids • please contact us before ordering!
	experiments demanding a narrow particle size distribution but not a monodisperse one necessarily	Test Particles have to be separated from water and surfactants, have to be washed and redispersed in the desired solvent	**Test Particles**	• low budget product; • no certificate but data can be downloaded from web site • Please contact us before ordering to check what advice is needed!