

Unit 9 - Synthesis of Nanoparticles Unit

Rates 2020

A final quotation will be prepared by the Scientific Director of the Unit on basis of the rates shown in the Table. For Further information, please contact: Prof. Dr. Jesús Santamaría; jesus.santamaria@unizar.es and Dr. Gema Martínez; gemamar@unizar.es.

Services	Description	Unit	Type of user			
			CIBER- BBN	Official Centers	Private entities	
S01*	Synthesis of Nanoparticles by Laser Induced-Pyrolysis	Metal-oxide nanostructured powder $10 < D_{TEM} < 100$ nm	sample	Request for quote		
		Carbon supported Metallic and alloyed Np $D_{TEM} < 5$ nm	sample	Request for quote		
		Nanostructured carbon power (doped with S, N) $D_{TEM} = 20$ nm	sample	Request for quote		
		Colloidal suspension of Np $D_{TEM} < 5$ nm	sample	Request for quote		

*Price quote depends on the sample amount, purity and/or concentration.

Services	Description	Unit	Type of user			
			CIBER- BBN	Official Centers	Private entities	
S02*	Synthesis of Nanoparticles by wet chemistry	Iron oxide (II,III), magnetic Np dispersion in H ₂ O, <i>D</i> _{TEM} 5-15 nm TREG functionalized	sample	Request for quote		
		Iron oxide (II,III), magnetic Np dispersion in H ₂ O, <i>D</i> _{TEM} 5-15 nm DMSA functionalized	sample	Request for quote		
		Hollow gold Np dispersion in H ₂ O <i>D</i> _{TEM} 35-40 nm	sample	Request for quote		
		Gold Np, dispersion in H₂O <i>D</i> _{TEM} 5-15 nm	sample	Request for quote		
		Metallic and metal alloyed Np dispersion in H ₂ O <i>D</i> _{TEM} < 5nm	sample	Request for quote		
		Carbon dots, dispersion in H₂O <i>D</i> _{TEM} < 10nm	sample	Request for quote		
		SiO₂ and MCM-41 Np, Powder <i>D</i> _{TEM} 50-70 nm	sample	Request for quote		

*Price quote depends on the sample amount, purity and/or concentration.

Services	Description	Unit *	Type of user		
			CIBER-BBN (€)	Official Centers (€)	Private entities (€)
S03	Specific Surface BET	sample	30	40	65
	Adsorption/desorption isotherm (mesoporosity)	sample	35	60	120
	Microporosity	sample	35	49	120
	Thermogravimetric analysis	sample	30	25	40
	Hydrodynamics size	sample	20	33	50
	UV-vis	hour	18	29	45
	Raman	hour	25	42	63
	FT-IR	hour	18	29	45
	FT-IR catalytic chamber	hour	50	81	125

Services	Description	Type of user		
		CIBER-BBN	Official Centers	Private entities
S04	Drug delivery determination	Request for quote		
S05	Consultancy	Request for quote		
S06*	Synthesis of NPs by Microfluidics Technologies	Request for quote		

*Price quote depends on the sample amount, purity and/or concentration.



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Revised and approved by
Prof. Dr. Jesús Santamaría Ramiro
Scientific Director

Prepared by
Dr. Gema Martínez Martínez
Scientific Coordinator