

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; <u>jesus.santamaria@unizar.es</u> and Dr. Gema Martínez; <u>gemamar@unizar.es</u>.

Services		Description	Unit	Type of user		
				CIBER-	Official	Private
				BBN	Centers	entities
S01 *	Synthesis of Nanoparticles by Laser Induced- Pyrolysis	Metal-oxide nanostructured powder 10< <i>D</i> _{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) DTEM = 20nm	sample	Request for quote		
		Colloidal suspension of Np DTEM < 5nm	sample	Request for quote		

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

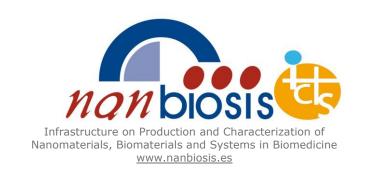












Services		Description	Unit	Type of user		
				CIBER-	Official	Private
				BBN	Centers	entities
S02 *	Synthesis of Nanoparticles by wet chemistry	Iron oxide (II,III), magnetic Np dispersion in H ₂ O, D _{TEM} 5-15 nm TREG functionalized	sample	Request for quote		
		Iron oxide (II,III), magnetic Np dispersion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

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			Ty	Type of user		
Services	Description	Unit *	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	

		Type of user			
Services	Description	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.

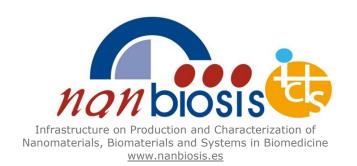












Revised and approved by Prof. Dr. Jesús Santamaría Ramiro Scientific Director Prepared by Dr. Gema Martínez Martínez Scientific Coordinator









