

## PROTEOMASS | BIOSCOPE Services 2017 – 2018

### Proteomics & Bio-analytical Services

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#### Contact details:

**Carlos Lodeiro**, cle@fct.unl.pt | **José Luis Capelo**, jlcm@fct.unl.pt | **URL:** www.proteomass.org

#### Remit form and samples to:

BIOSCOPE LAB 014/015

Department of Chemistry – Faculdade de Ciências e Tecnologia, Universidade Nova de Lisboa

2829-516 Campus de Caparica, Portugal

For best results and efficient service, contact the facility staff before you submit your samples!  
First time customers please attach complete mailing and billing address.

## Proteomics & Bio-analytical Services

<b>A1. 1D-GE – SDS-PAGE <sup>a</sup></b>			
Service Description		Academic/Government Labs	Industrial/Commercial Labs
<b>SDS-PAGE</b>			
Includes staining * + scanning	Mini-gel	25 €/gel (max. 9 samples / gel)	35 €/gel (max. 9 samples / gel)
* Colloidal coomassie	8x7 cm		
<b>A2. Off-gel IEF (Micro-rotofor Cell, BioRad) <sup>a</sup></b>			
Service Description		Academic Government Labs	Industrial Commercial Labs
<b>Sample preparation, clean-up and quantification</b>		20 €/sample	29 €/sample
<b>Off-gel IEF</b>		25 €/sample	38 €/sample
Only sample fractionation. Further analysis of the IEF-fractions is not included.			
<b>A3. Two-dimensional gel electrophoresis (2D-GE) <sup>a</sup></b>			
Service Description		Academic Government Labs	Industrial Commercial Labs
<b>Sample preparation, clean-up and quantification</b>		18 €/sample	27 €/sample
<b>IEF + SDS-PAGE</b>	Mini-gel 8x7 cm	40 €/sample	60 €/sample
Includes staining * + scanning	Medium-gel 16.5x17.5 cm	80 €	120 €
* Colloidal coomassie	(Minimum 2 samples)		
	Large-gels 26x22 cm	570 €	750 €
	(Minimum 5 samples)		
<b>A4. Gel imaging and spot picking (ProPic II) <sup>a</sup></b>			
Service Description		Academic Government Labs	Industrial Commercial Labs
<b>Gel imaging</b>		2.5 €/gel	3.5 €/gel
<b>Spot Picking</b>	96 spots	35 €/96 spots	45 €/96 spots
<b>B1. In-gel digestion <sup>a</sup></b>			
Service Description		Academic Government Labs	Industrial Commercial Labs
<b>In-gel Digestion (gel bands / gel spots) <sup>b</sup></b>	1 to 5 samples	90 €/sample	37.5 €/sample
	6 to 15 samples	70 €/sample	30 €/sample
	16 to 50 samples	25 €/sample	15 €/sample
	51 to 100 samples	16 €/sample	6.75 €/sample
Sample clean up using ZipTip is not included (B3). <sup>b</sup> For new clients, the first 5 samples are free of charge.			

**B2. In-solution Protein Digestion <sup>a</sup>**

Service Description	Academic Government Labs	Industrial Commercial Labs
In-solution Digestion <sup>b</sup>	1 to 5 samples	35 €/sample
	6 to 15 samples	25 €/sample
	> 15 samples	Request a Quotation
Sample clean up using ZipTip is not included (B3). <sup>b</sup> For new clients, the first 5 samples are free of charge.		

**B3. Purification and concentration of peptides (Millipore® ZipTips) <sup>a</sup>**

Service Description	Academic Government Labs	Industrial Commercial Labs
Millipore® C18 ZipTips	8 €/sample	15 €/sample

**C1. Reverse-phase Liquid Chromatography MS/MS (EASY-nLC + UHR-QTOF IMPACT HD Bruker) <sup>a</sup>**

Service Description	Academic Government Labs	Industrial Commercial Labs
Protein identification	60 min gradient	175 €/sample
	90 min gradient	260 €/sample

**C2. ESI-MS/MS (UHR-QTOF IMPACT HD Bruker) <sup>a</sup>**

Service Description	Academic Government Labs	Industrial Commercial Labs
Small Molecules	35 €/sample	56 €/ sample
Proteins	70 €/sample	

**C3. MS and MS/MS (Bruker MALDI Ultraflex ) <sup>a</sup>**

Service Description	Academic Government Labs	Industrial Commercial Labs
MS analysis (< 10kDa, peptides)	5 €/sample	7 €/sample
MS & MS/MS analysis (< 10kDa, peptides)	15 €/sample	21 €/sample

**C4. Reverse-phase Liquid Chromatography-MALDI-TOF/TOF (Accela Thermo + SunChrom MALDI Spotter + Bruker Ultraflex) <sup>a</sup>**

Service Description	Academic Government Labs	Industrial Commercial Labs
30 min gradient	120 €/run	180 €/run
60 min gradient	150 €/run	225 €/run
Fragmentation of 1 to 4 peptides/ spot.		

### C5. Liquid Chromatography DAD detection (Accela Thermo) <sup>a</sup>

Service Description <sup>c</sup>	Academic Government Labs	Industrial Commercial Labs
30 min	10 €/ sample	13 €/sample
60 min	15 €/ sample	20 €/sample

<sup>c</sup> Sample preparation is not included.

### D1. Speed vacuum for sample concentration/ evaporation <sup>a</sup>

Service Description	Academic Government Labs	Industrial Commercial Labs
Evaporation of aqueous buffers, formic acid, trifluoroacetic acid, organic solvents (Acetone, acetonitrile, methanol, ethanol, etc) <sup>d</sup>	3 €/ hour (max. 100 samples)	5 €/ hour (max. 100 samples)

<sup>d</sup> Aggressive high boiling point solvents are not allowed (DMSO, DMF, Toluene, Nitrobenzene).

### D2. 96 well plate assays / ELISA / protein quantification (Labtech LT – 4000 MS and CLARIOstar BMG Labtech) <sup>a</sup>

Service Description	Academic Government Labs	Industrial Commercial Labs
<b>Protein quantification Bradford assay</b>	30 € (< 10 samples)	40 € (< 10 samples)
Includes calibration curve (2 x 8) and two replicates per sample	25 € (11 to 40 samples)	35 € (11 to 40 samples)
<b>ELISA – Human Fetuin A (AHSG)</b>	700 € (40 samples)	870 € (40 samples)
Includes calibration curve (2 x 8) and two replicates per sample		
<b>ELISA – Human Vitamin D binding protein</b>	700 € (40 samples)	870 € (40 samples)
Includes calibration curve (2 x 8) and two replicates per sample		
Other assays and services are available upon request		

## Bio-Molecular Spectroscopy and NANO Services

### E1. NanoDrop 1000 spectrophotometer <sup>a</sup>

Service Description	Academic/Government Labs (Auto-service, AS*)	Industrial/Commercial Labs
Quantification of nucleic acids	2.5 €/Sample	4 €/Sample
Micro Arrays (gene expression) <sup>e</sup>	2.5 €/Sample	4 €/Sample
Micro Arrays (protein array conjugates) <sup>e</sup>	2.5 €/Sample	4 €/Sample
UV-Vis (220 nm to 750 nm)	2.5 €/Sample	4 €/Sample
Protein quantification A280	2.5 €/Sample	4 €/Sample
Protein quantification BCA <sup>f</sup>	5 €/Sample	7 €/Sample
Protein quantification Lowry <sup>f</sup>	5 €/Sample	7 €/Sample
Protein quantification Bradford <sup>f</sup>	2.5 €/Sample	4 €/Sample

<sup>e</sup> sample preparation/ labeling is not included; <sup>f</sup> includes calibration curve and 2 measurements per sample

### E2. NanoDrop 3300 spectrofluorimeter <sup>a</sup>

Service Description	Example Applications <sup>g</sup>	Academic/Government Labs	Industrial/Commercial Labs
<b>UV LED</b> Max 365 ± 10 nm	GFP wt Hoechst 33258, 4-MU, Q Dots various	2.5 €/Sample	4 €/Sample
<b>Blue LED</b> Max 470 ± 10 nm	FITC-FAM Em515 Alexa 488, PicoGreen, RiboGreen	2.5 €/Sample	4 €/Sample
<b>White LED</b> Max 500 - 650	Cy3, Alexa 555 Alexa 568	2.5 €/Sample	4 €/Sample

<sup>g</sup> Sample preparation/ labeling is not included

### F1. UV-vis Studies <sup>a</sup>

Service Description	Academic/Government Labs	Industrial/Commercial Labs
<b>UV-vis characterization studies</b> <sup>1</sup> In-solution studies. Spectra and data (4 concentrations/ one solvent)	30 € (25 € AS) One compound / one solvent	50 € One compound / one solvent
<b>UV-vis Titration (cations or anions)</b> <sup>1</sup> In-solution studies. Spectra and data (One analyte / one solvent)	60 € (50 € AS) One compound / one solvent	100 € One compound / one solvent
<b>CLARIOstar plate reader</b> <sup>2, 3, 4</sup> Screening of target analytes, such as, metal ions, anions, amino acids, proteins)	70 €/ plate, 96 samples	140 €/ plate, 96 samples

<sup>1</sup> Data processing is included. <sup>2</sup> Solvents: water, ethanol, methanol and acetonitrile. <sup>3</sup> Aggressive solvents are not allowed (DMSO, DMF, Toluene, Nitrobenzene, etc). <sup>4</sup> Other assays are available upon request

<b>F2. In-solution and solid-state emission studies <sup>a</sup></b>		
<b>Service Description</b>	<b>Academic/Government Labs</b>	<b>Industrial/Commercial Labs</b>
<b>Fluorescent characterization</b> (one solvent)	30 € (25 € AS) One compound / one solvent	50 € One compound / one solvent
<b>Fluorescent lifetime (TEMPRO)</b>	30 € (25 € AS) One compound / one solvent	100 € One compound / one solvent
<b>Fluorescent characterization (solid state)</b>	75 € (50 € AS) One compound	100 € One compound
<b>Fluorescent Titration (anions/cations) <sup>1</sup></b> In-solution studies(One compound/ one solvent)	60 € (50 € AS) One compound / one solvent	100 € One compound / one solvent

<sup>1</sup> Data processing is included.

<b>G1. Nanoparticle preparation <sup>a</sup></b>			
<b>Service Description</b>	<b>Academic/Government Labs</b>	<b>Industrial/Commercial Labs</b>	
<b>Synthesis of Metal NPs (in water)</b>	Gold	200 €/ sample (10 mL)	250 €/ sample (10 mL)
	Silver (yellow, blue and orange)	200 €/ sample (10 mL)	250 €/ sample (10 mL)
	Fe <sub>3</sub> O <sub>4</sub> Magnetic	250 €/ sample (10 mL)	300 €/ sample (10 mL)
	Ni@silica	250 €/ sample (10 mL)	300 €/ sample (10 mL)
	Au@ Fe <sub>3</sub> O <sub>4</sub>	400 €/ sample (10 mL)	600 €/ sample (10 mL)

Functionalized nanoparticles are available upon request (chromophores, fluorophores, peptides, proteins and antibodies)

<b>H1. Dynamic Light Scattering - DLS <sup>a</sup></b>		
<b>Service Description</b>	<b>Academic/Government Labs</b>	<b>Industrial/Commercial Labs</b>
<b>Size and charge (one material / one solvent) <sup>1</sup></b>	50 €/ sample	90 €/ sample

<sup>1</sup> Data processing is included

<sup>a</sup> Prices do not include value added tax (VAT).

<sup>b</sup> For new clients, the first 5 samples are free of charge.