

 Università degli Studi di Torino	Laboratorio di Biochimica Strutturale- Funzionale Dipartimento di Scienze della Vita e Biologia dei Sistemi Sede: via Accademia Albertina 13-10123 Torino				
	Tariffario UO4				
	Data prima emissione:	Data emissione corrente:	Nr. edizione:	Nr. revisione:	Riferimento § norma;
	19/09/2016	10/04/2019	01	00	82PG01

STRUCTURAL AND FUNCTIONAL BIOCHEMISTRY LAB		
PRODUCT/SERVICE	CODE	PRICE
Expression and Purification of human drug metabolizing enzyme (HDME) / nmol HDME is expressed as a recombinant protein in <i>E.coli</i> and purified by negative ionic exchange and affinity chromatography	SFB01	€ 80.00
Separation of metabolites from HDME catalyzed reaction by HPLC The substrate is incubated with the HDME reductase (if necessary), the electron donor and the enzyme. The reaction and controls are analysed by HPLC with standards	SFB02	€ 1,300.00
Separation of metabolites from HDME catalyzed reaction by HPLC and calculation of Michaelis-Menten parameters The substrate is incubated with the HDME reductase (if necessary), the electron donor and the HDME. The reaction and controls are analysed by HPLC with standards. Product is quantified against standard of known concentration and the Michaelis-Menten parameters are calculated	SFB03	€ 2,900.00
Identification of metabolites from HDME catalyzed reaction by HPLC-MS The substrate is incubated with the HDME reductase (if necessary), the electron donor and the HDME. The reaction and controls are analysed by HPLC-MS to identify the product	SFB04	€ 2,100.00
Identification of inhibitory activity by HPLC The substrate is incubated with the HDME reductase (if necessary), the electron donor the inhibitor and the enzyme. The reaction and controls are analysed by HPLC with standards	SFB05	€ 1,600.00

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PRODUCT/SERVICE	CODE	PRICE
Identification of activity by high throughput uv-vis The substrate is incubated with the HDME reductase (if necessary), the electron donor and the enzyme. The reaction and controls are in a multititer plate reader in uv-vis mode	SFB06	€ 480.00
Identification of inhibition activity by high throughput uv-vis The substrate is incubated with the HDME reductase (if necessary), the electron donor, the inhibitor, and the enzyme. The reaction and controls are in a multititer plate reader in uv-vis mode	SFB07	€ 700.00
Construction of IC-50 by HPLC The substrate is incubated with the HDME reductase (if necessary), the electron donor and the HDME. The reaction and controls are analysed by HPLC with standards. Product is quantified against standard of known concentration and the IC-50 is calculated	SFB08	€ 4,000.00
Construction of IC-50 by high throughput uv-vis The substrate is incubated with the HDME reductase (if necessary), the electron donor, the inhibitor and the enzyme. The reaction and controls are in a multititer plate reader in uv-vis mode. The IC-50 is calculated	SFB09	€ 810.00
Calorimetric characterization of the interaction between substrate/inhibitor and HDME (ITC) The substrate/inhibitor is injected in ITC at different molar ratios to detect the binding affinity and determine the stoichiometry of the reaction	SFB010	€ 1,250.00

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PRODUCT/SERVICE	CODE	PRICE
HDME stability assay (DSC) The HDME is characterized by DSC in up to 7 different buffers	SFB11	€ 1,800.00
HDME stability assay with substrate/inhibitor (DSC) The HDME is characterized by DSC in up to 7 different buffers in the absence/presence of a substrate/inhibitor	SFB12	€ 2,400.00

Le tariffe sopra citate sono da intendersi tutte IVA esclusa.

Il Laboratorio di Biochimica Strutturale-Funzionale opera in regime di Sistema di Gestione della Qualità ai sensi della Norma UNI EN ISO 9001:2015.

Il presente tariffario è stato presentato dal Prof. Gianfranco Gilardi e approvato dal Consiglio di Dipartimento di Scienze della Vita e Biologia dei Sistemi tenutosi in data 23 aprile 2021 e presieduto dalla Direttrice Prof.ssa Cristina Giacoma (Verbale n. 4/2021)