

Service Title	Peptide Mass Fingerprinting
Workflow Code	MASS_PMF
Short Service Description	Database dependent identification of purified proteins
Base Price (Price per unit)	Price on enquiry
Turn Around Time	5 days
Detailed Description and Background	
Peptide Mass Finger printing relies on matching the unique peptide distribution of a protein against peptide patterns of known proteins in a protein database. At the CPGR a control protein is included to verify that complete digestion did occur as well as a gel blank digest for gel separated proteins. The controlled, validated workflow guarantees that reliable data are reported every time	
Service Details	
In-gel or in-solution samples are subjected to trypsin digest. The resultant peptides are cleaned up before spotting onto a MALDI source plate. MS spectra are acquired for database interrogation and where possible results confirmed using MS/MS	
Service Deliverable	
Report includes database search results as well as control data for the experiments	
Sample/Info Submission Info	
Up to 20 samples can be submitted as desiccated gel slices from either Coomassie or MS compatible silver stain gels per batch. Alternatively pure samples may be submitted for in-solution digest	
Pricing Details	Price on request
Key Words	Peptide Mass Fingerprinting, Protein Identification, MALDI, MS/MS Biomarker discovery
Sample Shipping Address	Institute of Infectious Disease and Molecular Medicine, UCT, Faculty of Health Sciences, Wernher and Beit Building, Level 2, Lab S2.09, Anzio Road, Observatory, Cape Town 7925, South Africa
Related services	Bioinformatics, protein arrays, protein expression, Luminex

