



Request for Quotation (RFQ) for the supply of an automated tissue homogenizer and Cell lyser to the CSIR

CSIR RFQ No. 9068/07/11/2017

Date of issue	Monday, 23 October 2017
Closing Date and Time	Tuesday, 07 November 2017 at 16h:30 (Late tenders will not be considered)
Contact details	For submission of quotations or any other enquiries: Email: tender@csir.co.za (Please use RFQ No. as subject reference)

1 INVITATION FOR QUOTATION

Quotations are hereby invited for the supply of an automated Tissue Homogenizer and Cell Lyser to the CSIR.

2 QUOTATION REQUIREMENTS

CSIR Biosciences would like to purchase equipment suitable for processing of clinical proteogenomics samples. The instrumentation needs to be able to process small tissue biopsies including formaldehyde-fixed, paraffin-embedded (FFPE) samples in small reaction volumes in parallel, automated manner. The device has to have the capability to perform simultaneous protein, DNA and RNA extraction without excessive shearing of these biomolecules using pressure-cycling technologies. Further, there is a requirement for accelerated protein digestion induced by increasing pressure. Suppliers have to **provide evidence, in the form of peer-reviewed publications**, on the device performance satisfying the below listed requirements/specifications. Service and maintenance of the equipment has to be provided by the supplier of the equipment.

The automated tissue homogenizer and Cell lyser should meet and include the following specifications and features:

- Ability to process tissue biopsies size 2-5 mm, 0.2-10 mg total protein amounts
- Ability to process sample reactions volumes down to 10 µl
- Ability to process of formaldehyde-fixed, paraffin-embedded (FFPE) samples
- Ability to perform simultaneous extraction of Protein, DNA and RNA without requirement for sonication to prevent shearing (DNA no smaller than 20 kb)
- Parallel sample processing (minimum 12 samples)
- Capable of reaching and maintaining temperature of 95°C
- Ability to perform extraction and protein digestion in same vessel using pressure-cycling technology:
 - Capable of reaching, maintaining, and cycling 45,000psi of pressure
 - Capable of rapid, automatic cycling of high pressure (under 3 secs to reach max pressure)
 - Capable of maintaining high pressure for over 1 hour
 - Able to record and save pressure and temperature logs for all runs
- Minimum one year warranty should be provided covering parts as well as labour, travel (or transport costs)
- Supplier must provide additional option(s) for service/maintenance once instrument warranty has expired
- Supplier needs to have a minimum of one service engineer (CV's of service personnel as well as application specialist(s) should be provided)
- Equipment needs to be delivered and installed no longer than 6 weeks after contract is signed with selected supplier

NB: The supplier is required to submit datasheets/Spec-sheets of the items they are quoting on and they must be clearly referenced on quotation

***PLEASE COMPLETE COMPLIANCE CHECKLIST- ANNEXURE A AND SUBMIT WITH QUOTE SUBMISSION**

3 EVALUATION CRITERIA

- 3.1 Selection of suppliers will be based on the 80/20 preference point system.
- 3.2 Indicate valid B-BBEE status on quotation. No B-BBEE status will equal zero points.
- 3.3 Indicate CSD number (National Treasury Central Supplier Database) on quotation. If not registered yet on CSD, use www.csd.gov.za to register.
- 3.4 No order will be issued or no contract will be signed without a valid CSD number.

4 PRICING QUOTATION

- 4.1 Price needs to be provided in South African Rand (excl. VAT), with details on price elements that are subject to escalation and exchange rate fluctuations clearly indicated.
- 4.2 Price should include additional cost elements such as freight, insurance until acceptance, duty where applicable, etc.
- 4.3 Payment will be according to the CSIR Payment Terms and Conditions.

5 OTHER TERMS AND CONDITIONS

- 5.1 The supplier shall under no circumstances offer, promise or make any gift, payment, loan, reward, inducement, benefit or other advantage, which may be construed as being made to solicit any favour, to any CSIR employee or its representatives. Such an act shall constitute a material breach of the Agreement and the CSIR shall be entitled to terminate the Agreement forthwith, without prejudice to any of its rights.
- 5.2 A validity period of 90 days will apply to all quotations except where indicated differently on the quote.

6 No goods and/or services should be delivered to the CSIR without an official CSIR Purchase order. CSIR purchase order number must be quoted on the invoice. Invoices without CSIR purchase order numbers will be returned to supplier.

7 Note: This is not a Purchase Order.

Annexure A: Supplier Compliance checklist/sheet

	Requirements to be addressed in quote submission	Comply	Not Comply	Reference on datasheet or quote submission (e.g pg number)
1	Ability to process tissue biopsies size 2-5 mm, 0.2-10 mg total protein amounts			
2	Ability to process sample reactions volumes down to 10 µl			
3	Ability to process of formaldehyde-fixed, paraffin-embedded (FFPE) samples			
4	Ability to perform simultaneous extraction of Protein, DNA and RNA without requirement for sonication to prevent shearing (DNA no smaller than 20 kb)			
5	Parallel sample processing (minimum 12 samples)			
6	Capable of reaching and maintaining temperature of 95°C			
7	Capable of reaching, maintaining, and cycling 45,000psi of pressure			
8	Capable of rapid, automatic cycling of high pressure (under 3 secs to reach max pressure)			
9	Capable of maintaining high pressure for over 1 hour			
10	Able to record and save pressure and temperature logs for all runs			
11	CV's of service personnel as well as application specialist(s) should be provided			
12	peer-reviewed publications , on the device performance (between 1 and 3) or reference/review letters (1 to 3) on performance of device			
13	Warranty information and requirements			
14	instruction and training manuals			
15	Installation, commissioning and handover			
16	Product Datasheets			
17	maintenance and operation costs for the equipment			
18	Delivery to CSIR Pretoria campus			
19	Has lead time been indicated on quote?			