



REQUEST FOR INFORMATION	RFI/TIA/001/2024
DESCRIPTION:	LABORATORY CONSUMABLES/ PRODUCTS AND SERVICES
ADVERT DATE	10 OCTOBER 2024
CLOSING TIME AND DATE	4 NOVEMBER 2024 AT 11:00
SUBMISSION:	<b><u>ELECTRONIC SUBMISSION:</u></b> <a href="mailto:mapule.msiza@tia.org.za">mapule.msiza@tia.org.za</a>
ENQUIRIES/ MORE INFORMATION:	<a href="mailto:Mapule.msiza@tia.org.za">Mapule.msiza@tia.org.za</a>
WHERE GOODS / SERVICES WILL BE REQUIRED	1 Dickens Road 28 Wharhist Road Umbongintwini Industrial Complex 4120

## 1. Background

The Bioprocessing Platform (BP) is a non-financial technical offering of the Technology Innovation Agency (TIA) in support of both TIA and non-TIA funded projects for SMME's, Universities, Science councils, etc. The BP aims to support and enable technological innovation to achieve socio-economic benefits for South Africa through leveraging strategic partnerships with both government and the private sector; thereby enhancing South Africa's global competitiveness and delivery of socioeconomic value through technological innovation across sectors of the economy. Bioprocessing Platform is supporting SMME's by providing infrastructure that they need to develop their products. The instruments that are used at the bioprocessing platform are uniquely designed and high-tech. They have to be kept in good working order.

**TIA is inviting all service providers who can offer one or more of the following services / products. Service provider should indicate which service / product they do offer by completing the template below:**

<b>Company Name</b>	<b>Company Physical Address</b>	<b>Company Postal Address</b>	<b>Company contact numbers</b>	<b>Company email address</b>	<b>Company CSD number</b>

**The following services/ products are required at Bioprocessing platform**

<b>Products / services</b>	<b>Are you offering yes or no</b>	<b>Comments from service provider</b>
Laboratory density and concentration meters		
Process density and concentration meters		
Viscometers and rheometers		
Lab productivity systems		
Colloid science and surface characterization system		
Refractometers and polarimeters		
Small angle x - ray system Flash point analyzers, penetrometers, oxidation stability		
Testers and various petroleum testing instruments		
Instrumentation for surface mechanical properties (indentation, scratch, tribology, coating thickness, 3D imaging)		
Particle characterization instruments		
Raman spectrometers and microscopes		
Adsorption analyzers, bulk density analyzers, porometers and porosimeters		
FTIR spectrometers and analyzers		

Texture analysis and extrusion (consistency tester, torque rheometer, extruder, moisture analyzer, torque viscometer, relaxation tester, solid density analyzer, mills)		
Analytical and synthetic chemistry		
x-ray diffraction systems		
Flash point analyzers, penetrometers, oxidation, stability		
Testers and various petroleum testing instruments		
Instrumentation for surface mechanical properties (indentation, scratch, tribology, coating thickness, 3D imaging)		
Particle characterization instruments		
Raman spectrometers and analyzers		
Texture analysis and extrusion (consistency tester, torque rheometer, extruder, moisture analyzer, torque viscometer, relaxation tester, solid density analyzer, mills)		
ULTS, being products, installation and after sale		
Distribute and service the complete range of		

Centrifuges and accessories under CRYSTE brand		
KLab microplate reader		
Grundfos products, audited Service Partner for Grundfos products, audited Grundfos Sub-Factory, authorized Distributor for Boreline Hose and associated equipment, Centex-authorized Distributor of Sulzer Waste Water Products, including Sulzer-ABS products, Centex-authorized Distributor of Sulzer –JWC Waste Water Conditioning Grinders, Authorized Distributor of Cornell range of Pumps		
Burkert solenoid valves, Bürkert OEM products, services and solutions		
Sera, media and biochemicals for Cell Culture. Biowest's products are intended for in vitro Laboratory use, for research purposes		
Medical: Anesthesia, Ventilation, Thermoregulation & Neonatal Care, Infrastructure & Projects (Pendants and Theatre Lights), Patient Monitoring		

and Information Technology, Complementary Products and Accessories, Service Products.		
Sales and service distributor for valves.		
GenScript products and services.		
Hanna Instruments		
Remote Temperature Monitoring System, VM1000. Our VM1000 system is WHO (PQS E006/61) approved, ICASA approved, & ISO 9001/2015 accredited, Real Time Temperature Monitoring Systems		
Eppendorf products/ equipment parts and services and also carry out technical and after sales services.		
Oligonucleotide production but not limited to, primers and probes with various modifications as below: 5' modifications: ATTO dyes, 6-FAM, HEX, TET, Cy3, Cy3.5, Cy5, Cy5.5, DABCYL, CAL Fluor Red 635™, CAL Fluor Orange 560™ [VIC replacement], CAL Fluor Red 610™ [TexasRed		

replacement], CAL Fluor Red 590™ [TAMRA replacement], Biotin, Phosphorylation, Amino, Thiol 3' Modifications: BHQ-1™, BHQ-2™, Fluorescein, C3-Amino, C7-Amino, DABCYL, Phosphate, Biotin		
Nanodrop Eight Nanodrop One and Nanodrop One C NanoDrop Lite Plus NanoDrop Lite Servicing of Nanodrop 200 spectrophotometer additionally genuine replacement parts and software updates, repairs and maintenance		
John Crane Branded mechanical seals, gland packing, couplings, and sealant systems in the industry and servicing of Double Mechanical Seals (DMS) used on bioreactor shafts		
Dissolution Accessories range, Aquastabil is a Dissolution Accessories environmentally friendly product that can be used to maintain the integrity of water in water baths.		

distributor of Buchi Labortechnik AG that are entitled to promote their product, provide all after-sales Services and stock the necessary parts for the products		
servicing and maintaining Gilson pipettes		
Applied Biosystems, Invitrogen, Gibco and Torrent products, and the related technical support service for these products		
<p>The following brands of products and services:</p> <p>Biolab®, Hycon®</p> <p>NutriSelect®, BioReliance®</p> <p>Isotec, Pestanal™</p> <p>Brand®, KAPA Biosystems</p> <p>SAFC®, ECACC</p> <p>Lenticules®, Sigma-Aldrich®, EcoCult®</p> <p>Milli-Q®, Steritest®</p> <p>EMSA®, Milliflex®</p> <p>Supelco®, GranuCult®, Millipore®, Vitroids™,</p> <p>Eppendorf®, Whatman®, DeltaLab, Duran®, WTW®, Tools &amp; Carbide, and Corning® products.</p>		
Mettler-Toledo AG Process Analytics product portfolio consisting of in-line liquid		



<p>and gas analytics for industrial applications.</p> <p>The product program includes parameters like pH/Redox, Dissolved Oxygen, Conductivity, Carbon Dioxide, Ozone, Turbidity, Total Organic Carbon, Sodium Silica, Chloride, Sulphate, Real-time Microbial System for liquid analytics, gas analytics (TDL=Tunable Diode Laser Systems) and O2 for gas detection. With program we mean sensors, housings and transmitters including available commissioning and service tools.</p>		
<p>MSA Product includes:</p> <ul style="list-style-type: none"> <li>- Respiratory Protection and Thermal Imaging Camera.</li> <li>- Head, Eye &amp; Face Protection.</li> <li>- Portable Instruments.</li> <li>- Hearing Conservation &amp; Communication Devices.</li> <li>- Fall Protection &amp; MSA Latchways Products.</li> <li>- Fixed Gas Detection (including General Monitors products)</li> </ul> <p>Furthermore to install, service and maintain all MSA PPE products and</p>		

instruments and meets MSA service centre requirements for PPE.		
<p>carrying out accreditations in respect of conformity assessment, as mandated through the Accreditation for Conformity Assessment, Calibration and Good Laboratory Practice Act (Act 19 of 2006).</p> <p>This includes the accreditation of:</p> <ul style="list-style-type: none"> <li>a) Calibration laboratories;</li> <li>b) Proficiency testing service providers;</li> <li>c) Producers of certified reference materials;</li> <li>d) Testing laboratories, which includes Medical, Veterinary, Forensic, Pharmaceutical, Chemical and Microbiological, Physical and Mechanical laboratories;</li> <li>e) Blood transfusion services;</li> <li>f) Verification laboratories;</li> <li>g) Inspection bodies;</li> <li>h) Certification bodies;</li> <li>i) BBBEE rating agencies;</li> <li>j) to monitor GLP / GCP compliance with the principles adopted by the OECD for GLP facilities or the VICH principles of GCP.</li> </ul>		

Accreditation means third-party attestation related to conformity assessment bodies conveying formal demonstration of their competence to carry out specific conformity assessment tasks.		
To perform installation, validation/calibration, maintenance, service and repair work on all Sartorius instruments		
<p>Supplier of the following products that are used in various analyses and in the maintenance of 17025 accreditation of the TBP Analytical Chemistry-</p> <p>a) <b>Phenomenex products</b> which includes chromatography columns and accessories as well as consumables for applications in pharmaceutical analyses related to cannabis and food and beverage-based applications.</p> <p>b) <b>Macherey-Nagel</b> solid phase extractors and products. We require the use of such solid phase extraction for the separation of analytes from concentrated samples prior</p>		

to HPLC analysis to prevent the clogging of columns.

Machery products

1. Bioanalysis products

2. Filtration products

3. Rapid Test products  
(except Medi Test)

4. Water Analysis products

5. Chromatography  
products

6. Vials and closures

c) **Socorex products**,  
including manual and  
electronic pipettes, repeater  
pipettes, bottle-top  
dispensers, and

accessories. Analytical  
Chemistry Lab uses pipettes  
and dispensers as essential  
tools to achieve accurate  
and precise transfer,  
measurement, and  
dispensing of liquids.

d) **VWR Products**: Hitachi  
Analytical HPLC Range of  
products, Hitachi Analytical  
Amino acid analyzer and  
spectrophotometer full  
range of products.

e) **Carl Roth GmbH & Co**,  
manufacturers and dealers  
for laboratory equipment  
and fine and biochemicals.

f) **HPC Standards GmbH**:  
is a Manufacturer and  
distributor of high-purity

<p>analytical standards and certified reference material for analytical analysis.</p> <p>g) The authorized distributor of <b>Cytiva and Pall Life Sciences</b> Products will be responsible for supplying and post-sale services,</p> <p>Cytiva products:</p> <ul style="list-style-type: none"> <li>- Cytiva Legacy <ul style="list-style-type: none"> <li>o Bioprocess (BP)</li> <li>o Bioprocess (BP) – HyClone Cell Culture</li> <li>o Discovery &amp; Medical (D&amp;M) – Protein Research (except for PC34 Imager product range)</li> <li>o Genomic Medicine – (GM) – Cell Therapy – Density Gradient Media</li> </ul> </li> <li>- Pall Legacy <ul style="list-style-type: none"> <li>o Bioprocess (BP)</li> <li>o Discovery &amp; Medical (D&amp;M) - Laboratory</li> </ul> </li> </ul>		
Service provider to offer service and parts for Shimadzu products		
Service provider to offer Steritech range of autoclaves, associated spares and consumables		
SANAS accredited laboratory in the field of mass, temperature and		

<p>humidity the company must offers the following calibration and service of instruments:</p> <ul style="list-style-type: none"> <li>• Balances and mass pieces</li> <li>• HPLC and GC service and validation</li> <li>• Pipettes and Glassware</li> <li>• Thermometers</li> <li>• Temperature Data Loggers</li> <li>• Ovens / Furnaces / Baths / Fridges</li> <li>• Autoclaves</li> <li>• Spectrophotometers</li> <li>• Refractometers</li> <li>• pH &amp; Conductivity</li> <li>• Viscometers</li> <li>• Fume Hood Extraction</li> <li>• Microscope service and also Young LN, Kruss and for OHAUS</li> </ul>		
<p>TIA requires Immunised mice utilised in the antibody development projects wherein all research is directed and ethically overseen by a registered Veterinarian. The TBP prepares immunogen which must be couriered to the facility within half an hour for immunisation of mice, and during the fusion experiments, the sacrificed mouse</p>		

<p>must be couriered from the animal facility to the TBP within an hour. The institute must be an approved facility by the National SPCA and approved by the national animal ethics committee (DoH). The service provider must also provides services for our antibody development projects at TBP, including:</p> <ul style="list-style-type: none"> <li>• Supply of immunized mice used in antibody development projects</li> <li>• Ethical oversight and direction of research by a registered Veterinarian</li> <li>• Immediate preparation and couriering of immunogen to the facility within half an hour for mouse immunization</li> <li>• Couriering of sacrificed mice from the animal facility to TBP within an hour during fusion experiments.</li> </ul>		
<p>suppliers and service providers of clean air equipment (Biohazard Safety Cabinets, Fume Extraction Cupboards, Uni-Directional Flow Benches, filters, fans etc.) those who are accredited to service and repair these units.</p>		

Service provider to sell and distribute SRL, Laboratory Chemicals, Dehydrated Culture media, Supplements & Kits, BioLit DNA & Protein Tools and laboratory accessories		
Service provider that is authorised for Snijders products		
The approved service provider for the servicing and maintenance of the Taylor Wharton Cryostorage unit		
1.Cannabis potency standard (8-component solution) 2.Cannabis potency CRM 3.Autosampler HPLC vials 4.Terpene standard for cannabis testing (19 component)		
HOLLOW CATHODE LAMP (MULTI ELEMENT WITH LEAD, CADMIUM, ARSENIC AND MERCURY) SODIUM HYDROXIDE 500G HOLLOW CATHODE LAMP( MULTI ELEMENTS WITH CALCIUM, IRON AND PHOSPHORUS) AMINEX® HPX-87P COLUMN (150X 4.6 MM, 9 µM PARTICLE SIZE		



AVICEL PH-101 CELLULOSE POWDER (20µM- MICROCRYSTALLINE POWDER) – 100G		
COLUMN - C18 150X4.6MM, 5µM PARTICLE SIZE		
ACETONITRILE HPLC GRADE, 2.5L		
FORMIC ACID 500ML		
THC STANDARD 1000 OR 2000PPM IN METHANOL		
HOLLOW CATHODE LAMP (MULTI ELEMENT WITH LEAD, CADMIUM, ARSENIC AND MERCURY)		
SODIUM HYDROXIDE 500G		
HOLLOW CATHODE LAMP( MULTI ELEMENTS WITH CALCIUM, IRON AND PHOSPHORUS)		
AMINEX® HPX-87P COLUMN (150X 4.6 MM, 9 µM PARTICLE SIZE		
<b>MORE CONSUMABLES:</b> 1.1.5ML SHORT THREAD VIAL, 32 X 11.6MM, CLEAR GLASS 2.9MM CLOSURE: PP SHORT THREAD CAP, BLUE, CENTRE HOLE; SILICONE WHITE/PTFE RED, 55° SHORE A, 1.0MM 3.CHROMABOND SPE COLUMNS C18 HRP VOLUME: 6 ML, CONTENT OF SORBENT: 1000 MG MATERIAL: PP, WITH PE FILTER ELEMENTS		

<p>4.PHENOMENEX - LUNA OMEGA 3 UM SUGAR 100 A LC COLUMN 150 X 4.6 MM,</p> <p>5.PHENOMENEX - KINETEX 2.6U C18 100A NEW COLUMN 150 X 4.6 MM,</p> <p>6.SOCOREX ACURA MICROPIPETTES- 1-10<math>\mu</math>L, 5- 50 <math>\mu</math>L, 20-200 <math>\mu</math>L (TRIOPACK)</p> <p>7.SOCOREX ACURA MICROPIPETTES 0.5-5ML</p> <p>8.SOCOREX ACURA MICROPIPETTES 1-10ML</p> <p>9.PAPER TOWELS</p> <p>10.2 ML EPPENDORF TUBES</p> <p>11.SYRINGES 10ML</p> <p>12.MICROPIPETTE TIPS (100<math>\mu</math>L - 1000<math>\mu</math>L)</p> <p>13.GLOVES (MEDIUM)</p> <p>14.GLOVES (SMALL)</p> <p>15.PASTEUR PIPETTES (3ML)</p> <p>16.MAGNETIC STIR BAR TYPE C</p> <p>17.MAGNETIC STIR BAR TYPE C</p> <p>18.MAGNETIC STIR BAR TYPE C</p> <p>19.THERMOMETER</p> <p>20.WHATMAN NO.1 FILTER BOX</p>		
<p><b>GAS REQUIREMENTS:</b></p> <p>LPG</p> <p>CO2 (DIP TUBE)</p> <p>CO2 4.5 (HIGH PURITY)</p> <p>HYDROGEN (HIGH PURITY)</p> <p>NITROGEN (HIGH PURITY)</p>		

MIXTURES (21% O2 IN N2) ACETYLENE CO2 4.5 (HIGH PURITY) LPG LIQUID NITROGEN TELEMETERY SYSTEM TO REMOTELY MONITOR LIQUID NITROGEN LEVELS TO SCHEDULE DELIVERIES MAXI TANK FOR LIQUID NITROGEN 650 KG - OR ALTERNATIVE TO SUIT CAPACITY OF USAGE - 650 KG EVERY 3 WEEKS.		
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