

REQUEST FOR INFORMATION FOR GOODS AND SERVICES

**ONDERSTEPOORT BIOLOGICAL PRODUCTS LTD
PRIVATE BAG X7, ONDERSTEPOORT 0110**

From: Supply Chain Department
Date: 28 July 2026 – 10 August 2026
Tel: 012 522 1500
Fax: N/A
Email: purchasing@obpvaccines.co.za

To:
Supplier:
Tel:
Fax:
Email:

**REQUEST FOR INFORMATION - REAL-TIME CELL ANALYSIS (RTCA) SYSTEM FOR
ONDERSTEPOORT BIOLOGICAL PRODUCT**

Kindly provide Information for the following: RFI/OBP007/2026/27

COMPULSORY/MANDATORY	
Company/ Individual Profile	That highlights years' relevant experience and capabilities In supplying real-time cell analysis (RTCA) system.
Proposal	Detailed proposal to include pricing and specification etc.
Additional Notes	All Bidders must be registered on CSD (Central Supplier Database)
Non - Compulsory Site briefing	None

TERMS OF REFERENCE: REQUEST FOR INFORMATION - REAL-TIME CELL ANALYSIS (RTCA) SYSTEM FOR ONDERSTEPSPOORT BIOLOGICAL PRODUCT**1. BUSINESS INTRODUCTION**

OBP is a manufacturer of animal vaccines. These products are sold within domestic market mainly to coops, feedlots, wholesalers, veterinarians, and pharmacies. The company has further segmented its market according to provinces, with each province having various distribution points. Most of these distribution points are mainly in rural areas dominated by cattle, sheep, and goat farmers.

2. BACKGROUND AND SITE DESCRIPTION

The Research and Development Virology Department routinely relies on cell culture systems for vaccine research, process optimisation, and virological investigations. Accurate and continuous monitoring of cell growth, viability, and cellular responses is essential to ensure reliable experimental outcomes and efficient project execution. Conventional endpoint assays provide only limited snapshots of cellular behaviour and may fail to capture dynamic changes occurring throughout the course of an experiment. The objective of this RFI is to acquire a Real-Time Cell Analysis (RTCA) system that enables label-free, impedance-based monitoring of cell cultures in real time. The system will support applications including cell proliferation and characterisation, cytotoxicity and immune-cell killing assays, and assessment of virus-induced cytopathic effects. By providing continuous, high-quality data and facilitating multiple simultaneous analyses, the RTCA system will enhance research productivity, improve process optimisation for vaccine development, and strengthen the analytical capabilities of the department while remaining accessible to other interested divisions within the organisation.

3. REQUESTED INFORMATION

Suppliers are invited to provide details of systems that:

Perform label-free, real-time impedance-based monitoring of cell cultures in standard microplate formats (preferably 96-well). Operate within a standard CO₂ incubator and are compatible with South African electrical standards. Include software capable of real-time and endpoint analyses, curve fitting, dose-response calculations, data export, and system diagnostics. Are supplied with associated hardware, software licenses, training, installation, validation, warranty, and local maintenance support.

Respondents are encouraged to provide brochures, technical specifications, installation requirements, indicative pricing, warranty terms, training offerings, and details of local service capabilities, as well as references for existing installations.

Specifications:

EQUIPMENT	DESCRIPTION
Well Format	Min 4 x 96 well plates
Size	Dimensions of the RTCA should be accommodated to fit in a standard CO ₂ incubator with the following maximum dimensions: External dimension (WxDxH=660x660x906mm) Internal dimension (WxDxH = 505x535x633mm)
Operating temperature	20 to 40 °C
Operating humidity range	Up to 90% RH
Power supply	Adaptor to supply for South Africa 240V 50Hz
Uninterrupted power supply	Uninterrupted power supply (UPS) to maintain the measuring equipment and control unit (computer) for up to 4 hours during main power interruption. 1.5 – 2 KVA
Accessories	Heat resistance cables, wired keyboard and mouse
Warranty	36-month Warranty on the RTCA equipment
Maintenance	2 years, with local agent/support.
RTCA Software	• Live continuous and endpoint plots including resistance, capacitance, impedance magnitude, barrier index, % cytolysis, area under the curve, kill time50, and EC50/IC50. • User-friendly graphical user interface • Curve fitting and does response plots using any endpoint • Exports raw and analysed data directly to Microsoft Excel for easy access and fast analysis • Automated system status tracking to identify changes in environment and system state. • Built-in system validation test. • Cost of software should be included as a once-off payment with a back-up copy of the software supplied • FDA 21CFR part 11

Qualification Requirements	Supplier must handle delivery, installation, and commissioning of the RTCA at the final site. The supplier is to develop and execute installation qualification (IQ) and operational qualification (OQ) protocols. The protocols and supporting documents such as calibration certificates should be sent to OBP QA for approval PRIOR to the execution. The equipment must be fully operational and tested before acceptance. Service provider should provide the user manuals, technical documentation, and maintenance guides in English.																									
Laptop	<table><tr><th>Component</th><th>Recommended Specification</th></tr><tr><td>CPU</td><td>Series 2 Intel Core Ultra 7</td></tr><tr><td>RAM</td><td>16 GB DDR5-SDRAM (32GB Upgradeable or higher)</td></tr><tr><td>Storage</td><td>512 GB M.2 PCIe SSD</td></tr><tr><td>Display</td><td>16" Full HD (1920x1200) or higher, Anti-glare (non-touch)</td></tr><tr><td>Operating System</td><td>Windows 11 Pro (preferred for domain join, BitLocker).</td></tr><tr><td>Battery Life</td><td>12.6+ hours</td></tr><tr><td>Camera</td><td>1080p FHD</td></tr><tr><td>Keyboard</td><td>Backlit, with AI hotkey and Number pad</td></tr><tr><td>Onboard Graphics Card Model</td><td>Intel Graphics</td></tr><tr><td>Security</td><td>TPM 2.0, BitLocker Support</td></tr><tr><td>Ports/Slots</td><td>Universal Audio Port USB 3.2 Gen1 USB 3.2 Gen1 with PowerShare HDMI 2.1</td></tr></table>	Component	Recommended Specification	CPU	Series 2 Intel Core Ultra 7	RAM	16 GB DDR5-SDRAM (32GB Upgradeable or higher)	Storage	512 GB M.2 PCIe SSD	Display	16" Full HD (1920x1200) or higher, Anti-glare (non-touch)	Operating System	Windows 11 Pro (preferred for domain join, BitLocker).	Battery Life	12.6+ hours	Camera	1080p FHD	Keyboard	Backlit, with AI hotkey and Number pad	Onboard Graphics Card Model	Intel Graphics	Security	TPM 2.0, BitLocker Support	Ports/Slots	Universal Audio Port USB 3.2 Gen1 USB 3.2 Gen1 with PowerShare HDMI 2.1	
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		Gigabyte RJ45 Ethernet Port Wedge Shaped Lock Slot 2x USB Type C Thunderbolt 4.0 with Power Delivery & DisplayPort 2.1 (Type-C) SIM Card Tray 4G CAT12 - Qualcomm Snapdragon X12 Global LTE-Advanced (DW5826e), eSIM capable
	Warranty	3 Year ProSupport Onsite
Training	Onsite training to be provided Technical support for a period of 3 months	

4. **SUBMISSION REQUIREMENTS**

Suppliers responding to this RFI should provide the following information:

- Company profile and contact details.
- Detailed technical specifications and product literature for the proposed RTCA system.
- Description of software capabilities, licensing terms, and data management features.
- Installation, commissioning, validation, and training plans.
- Details of local service and maintenance support within South Africa, including warranty provisions.
- References for comparable installations and, where possible, opportunities for a site visit or system demonstration.
- Indicative pricing, delivery lead times, and any recurring costs associated with operation or support.

5. **GENERAL**

5.1 **CONFIDENTIALITY**

OBP shall:

- Use its reasonable endeavours to keep all data and details submitted by responding parties strictly confidential, save to the extent that such data or details are required to be disclosed by applicable law or order of a court of competent jurisdiction; be entitled to disclose all data and details to their officers, employees, agents, advisors and representatives who are involved in the project and the evaluation of the responses; and

- Not be liable for any loss incurred or damage suffered as a result of any disclosure of any information (confidential or otherwise) of the responding party. The responding parties shall not have, and hereby waives, any claim against OBP arising out of the disclosure of any information, confidential or otherwise.

5.2 RESERVATION OF RIGHTS

- OBP reserves the right, to use information submitted in response to this RFI for the purpose of compiling and aggregating data for public release, related to the information submitted, without mentioning / identifying specific parties.
- OBP reserves the right to verify any information contained in a response to this RFI; and OBP reserves the right to cancel or withdraw this RFI as a whole or in part.

5.3 CONTACT INFORMATION AND CLARIFICATIONS

- Interested parties are free to request clarifications from, or engage directly with, the team via email at purchasing@obpvaccines.co.za

6. CLOSING DATE

- The RFI closing date and time is on the **10th of August 2026 @15:00**,
- All bidders MUST register their company (in advance) on the NEW OBP's EProcurement portal, the link can be found on the official OBP website under supply chain.
- Once bidders account registration is approved by the OBP Supply Chain, login credentials will be supplied, whereby bidders will be able to login and apply for opportunities.
- All open opportunities will reflect on the portal for bidders to part take in.
- All required company documents, proposed submissions or additional requirements MUST be uploaded with your bid application.
- Any additional questions or Queries can be directed via email (purchasing@obpvaccines.co.za) or telephone (012 522 1500), note NO SUBMISSIONS WILL BE ACCEPTED via EMAIL.