

مديرية الخدمات الطبية الملكية



نظام المشتريات والعطاءات

2025/01/19

تاريخ إنشاء العطاء:

P37-2025-WES

اسم العطاء :

الصلاحية:

Whole Exome  
Sequencing

وصف العطاء:

الوثيقة المالية:

طريقة الشراء:

Item No	Stock No	Stock Name	Quantity	Unit
1	09_10_042_058	library preparation kit for whole exome sequencing	0	Kit
2	09_10_042_059	Sequencing reagent kit	0	Kit

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## شروط العطاء

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## شروط خاصة

- 1- Delivered good must show Description of goods , expiry date must be clearly indicated on all package and relative documents ,Batch No., Storage conditions, stamped "Sold to RMS" ,and any other necessary information on the inner and outer packs.
- 2- goods must be delivered under the same storage conditions that comply with their nature.
- 3-All packages to be stamped or labelled with the following "Sold to RMS" Tender P37-2025-WES"by Non -removable ink
- 4-Products derived or containing materials of human origin should be supplied with a certificate and/or official document from the manufacturer stating that the products are devoid of blood borne infectious agents :HbsAg, HIV, HCV, ect. Items belonging to this category to be specified in the original offer.
- 5-For offers submitted in Jordanian dinars payment will be either by wire transfer or by cheque to be paid after reciving DOCUMENTS FROM MAIN MEDICAL STORES ,any other way of payment will not be accepted and the offers will be rejected by the purchase committee.
- 6-Bidders must submit their reservation /queries regarding tender specifications and/or special term within the first half of the tender closing period starting from the tender announcement date . Reservation /queries submitted after the end of this period shall be rejected.
- 7-All goods should retain at least(6) months for MSL mentioned per each item. Any item not complying with this term upon receipt should be accompanied with a confirmation that you accept to replace any remaining unused quantities at your

expenses after the expiry date. Said confirmation is subject to the approval of the director of the Royal Medical Services and will incur a fine, which will be decided later by DRMS according to the loss that this discrepancy with terms of the tender has caused.

8-Pricing must include services of sale ,shipment, transporation , delivery from port to site

9-If any of the awarded items become expired due to technical fault of the machines,the items must then be replaced by the supplier/local agent.

10-يتم تسليم المواد الى مركز الاورام العسكري من قبل الشركة على 3 دفعات ويتم تسليم كل دفعة من المواد خلال(4-6)-10 اسابيع من الطلب الخطي

11- لا يحق للشركة المطالبة بزيادة الاسعار تحت اي ظرف كان خلال سريان الاتفاقية على ان يتم مفاوضة الشركة -11 بخصوص تنزيل الاسعار عند التجديد

12- تقديم كفالة عدلية لضمان سوء المصنعية لمدة عامين بكامل قيمة اللوازم المضمونة مضاف اليها (15%) خمسة عشرة -12 بالمائة من قيمة اللوازم وتقدم عند توريد اللوازم مصدقة حسب الاصول

13- الاسعار بالدينار الاردني شاملة كافة الرسوم والضرائب الحكومية ومعفاة من الضريبة العامة على المبيعات -13

14- ان تكون المواد حاصلة على شهادة ( CE ) أو ( FDA ) ويتم تصديقها من المؤسسة العامة للغذاء والدواء-14

15- القيمة التقريبية للإتفاقية (180000) دينار اردني يسري مفعولها من تاريخ التبغ بالاتفاقية لمدة عامين وتنتهي -15 الاتفاقية باستنفاذ قيمتها او بانتهاء مدتها ايهما اسبق وقابلة للتجديد بنفس المواصفات والشروط وان يتم مفاوضة الشركة على تنزيل لاسعار عند التجديد وبموافقة الطرفين

16- لا تعتبر الخدمات الطبية الملكية ملزمة بأي حال من الأحوال بإستنفاذ القيمة أعلاه ويتم طلب المواد حسب الحاجة لها -16 وعند توفر الحالات المناسبة

17- يحق للخدمات الطبية الملكية إلغاء الإتفاقية في أي وقت ويتم إبلاغ الفريق الثاني قبل شهر على الأقل من تاريخ إلغاء -17 الإتفاقية ولايحق للفريق الثاني الاعتراض

18- يتم تسديد قيمة الفواتير في مديرية الخدمات الطبية الملكية/الدائرة المالية بواسطة شيك أ وتحويل مالي وبعد تقديم-18 الوثائق التالية: يقوم فرع الصيدلة والتزويد الطبي في مركز الاورام العسكري بتوريد الفواتير الى قيادة المستودعات الطبية الرئيسية مبين عليها تاريخ استلام المواد وموقعة من قبل لجنة الاستلام المشكلة لهذه الغاية وترفع معززة بسندات الإيراد وضبوطات لجنة الاستلام اللازمة الى مديرية الخدمات الطبية الملكية.

19- في حال وجود مواد منتهية الصلاحية تلتزم الشركة باستبدالها دون اي تبعات على القوات المسلحة الاردنية/الخدمات الطبية الملكية.

20- تلتزم الشركة باستبدال اي مادة يثبت عدم جودتها عند الاستخدام و في حال ظهور مشاكل في جودة المواد المستخدمة-20 ودقة نتائجها وتوثيق ذلك من الخدمات الطبية الملكية يحق للقوات المسلحة / الخدمات الطبية الملكية ان تقوم بإلغاء التزامها بشراء المواد من الشركة دون أن يترتب عليها اي تكاليف اضافية

21- يتم تشكيل لجنة مختصة لغايات يتم من خلالها تحديد عدد الفحوصات المطلوبة لكل حالة-21

22- لا يتم الدفع للشركة المتعاقد معها عن العينات الا في حالة الحصول على (per report) result-22

23- Whole Exome يتكفل الطرف الآخر بتزويد قسم الجينات الوراثية في مركز الاورام العسكري بجهاز Whole Exome مجاناً على سبيل الإعارة إلى قيادة المستودعات الطبية الرئيسية وبحسب المواصفات في الملحق المرفق مقابل شراء المستهلكات على سبيل الاعارة وتكون ملكيتها للشركة وتعاد عند استهلاك كامل الكميات التي تم إحالتها على الشركة بموجب الاتفاقية وتكون الشركة مسؤولة عن تشغيل وتركيب الجهاز وصيانتها وإدامة عملها والتدريب عليها خلال فترة التشغيل وفي حال تعطل الجهاز على الشركة صيانة الجهاز خلال مدة لا تتجاوز 48 ساعة من التبليغ بالتعطل وإذا زادت مدة التعطل عن هذه المدة تكون ملزمة بتقديم جهاز بديل لإدامة العمل خلال 48 ساعة على أن يتم تحديد موعد تسليم الجهاز من قبل لجنة الشراء



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Item 1	Whole Exome Sequencing (WES) Using Next-Generation Sequencing (NGS) Technology	Qty. (1)
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**IMPORTANT NOTE:**

Vendors are required to fill out the product details, compliance information, and brochure reference page number in the columns below

**TECHNICAL SPECIFICATIONS:**

The unit must meet or exceed the requirements listed in the table below.

Product Details	
Name of Manufacturer	
Model/ catalogue number	
Country of Origin for the offered model	
Country where the manufacturer is based	
Delivery time	
Full warranty period	
FDA clearance OR CE Mark	

	Minimum Requirements	Compliance (Y/N), Notes	Brochure Page No.
*The latest highest end model of the required range.			
<b>System And Design</b>			
1	Performing Whole Exome Sequencing (WES) Using Next-Generation Sequencing (NGS) Technology		
2	Turnkey project (construction works , electrical power supply , uninterrupted power supply UPS, water supply , RO system, waste and drain system,..etc)		
3	Flexible for future expansion, Optimal utilization of space		
4	Provide design for the system fit with site( after site visit )		
5	Optimal utilization of space		
6	The offer must include all devices, accessories, consumables, materials, solutions, controls, calibrations and everything recommended by the manufacturer to conduct the test according to international standards. Otherwise, the missing items will be provided free of charge.		
<b>Library Preparation Kit for WES</b>			

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	<b>Minimum Requirements</b>	<b>Compliance (Y/N), Notes</b>	<b>Brochure Page No.</b>
1	Compatible with the selected NGS platform.		
2	Designed specifically for Whole Exome Sequencing		
3	Capable of processing a minimum of 24 samples per run.		
4	High efficiency and uniformity in target capture, ensuring comprehensive exome coverage.		
5	Provides high-quality libraries with minimal PCR bias.		
6	Hybridization capture sequence method for larger targets and for rare variant identification.		
7	Includes all necessary reagents.		
8	Targeted > 35 Mb of coding region or covering at least 20000 genes to minimize off-targeted sequencing		
<b>Sequencing Reagent Kit for WES</b>			
1	Fully compatible with the selected NGS machine and library preparation kit.		
2	Designed to provide high-quality reads for WES applications.		
3	Includes reagents sufficient to process 24 samples per sequencing run.		
4	Produces high-depth sequencing data with uniform exome coverage.		
5	Ensures low error rates and high base-calling accuracy.		
6	Supports paired-end sequencing with a minimum read length of 300 bp.		
7	High throughput capability, allowing processing in a single sequencing run.		
8	Includes all essential consumables and accessories required for successful sequencing		
<b>Instrument Compatibility and Special Accessories</b>			
1	The library preparation kit and sequencing reagent kit must be compatible with the same NGS platform.		
2	All required instrument support, specialized accessories, and components (e.g., chip, flow cell, wash kits, heat block,		



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	<b>Minimum Requirements</b>	<b>Compliance (Y/N), Notes</b>	<b>Brochure Page No.</b>
	shaker, magnetic stand .... Etc.) must be included and must be compatible with library preparation kit.		
3	The system should support seamless integration between library preparation and sequencing, and with full integrations for data analysis.		
4	Capable of processing a minimum of 24 samples per run with high quality data and with depth of coverage >50x, reads more than 300 M and the output more than 100 Gb.		
5	Support multiple sequencing methods and applications (whole exome. Whole genome. Rnaseq... Targeted sequencing... Etc.)		
6	Supports paired-end sequencing with a minimum read length of 300 bp.		
<b>Data Quality and Support</b>			
1	Ensures production of high-yield, high-quality data with low duplication rates and uniform target coverage.		
2	Provides software tools for efficient data analysis and interpretation (if applicable).		
3	Data quality at least Q30 > 85%		
4	Technical support must be available for troubleshooting and assistance during setup and use.		
<b>Training on Analysis and Reporting</b>			
1	External training for two laboratory physicians with experience in molecular genetics pathology. Training should cover advanced troubleshooting and data quality assessment techniques and focusing on: - Data analysis using the provided software tools. - Generating and interpreting reports for Whole Exome Sequencing results.		
2	Provide comprehensive external training for technicians on the newly adopted device to ensure proper operation and maintain high-quality standards in the work process.		
3	Support materials, such as user manuals and analysis guides, must be included		

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	<b>Minimum Requirements</b>	<b>Compliance (Y/N), Notes</b>	<b>Brochure Page No.</b>
4	Training Programs must conform to the following standards:  1. User training must comprise understanding and use of operation manual(s), correct and safe operation of the equipment, as well as user preventive maintenance and calibration.  2- Certificates must be endorsed and officially sealed by the system manufacturer, legally empowering trainees to engage in user and service activities according to operation and service manual(s).		
5	Offers must include a certified operator training program at a reputable center abroad recognized by the manufacturer for at least two operator; all costs inclusive, air tickets, boarding, commuting, accommodation ( minimum 3 star hotel on full board basis) and any extra costs.		
6	The period of the training courses must be according to the manufacturer's program excluding travelling days, and must be stated clearly in the technical offer.		
7	Where applicable, offers must include on-site user and service training.		
<b>Additional Notes</b>			
1	All reagents and kits must come with proper labeling and documentation, including lot numbers and expiration dates.		
2	Shipping and storage conditions must maintain the integrity of the kits (e.g., cold chain storage).		
3	Warranty or replacement guarantees for defective products must be provided.		
4	Supply Schedule:  During the first year, the first shipment supplied receiving after written request all necessary materials, including consumables, physical components, reagent materials, and calibration controls required to operate and process samples in accordance with the manufacturer's standards, sufficient for 288 samples annually, will be supplied in three equal batches. Each batch will include all required components to process 96		

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	<b>Minimum Requirements</b>	<b>Compliance (Y/N), Notes</b>	<b>Brochure Page No.</b>
	<p>samples, ensuring seamless operation and compliance with established standards.</p> <p>Subsequent supplies (second year will be provided upon receiving a written request, subject to approval by the designated inspection committee.</p>		
<b>Pricing</b>			
<b>1</b>	Price Per Sample: Payment will be made only for samples that yield a valid and successful report.		
<b>2</b>	The cost per sample will be reviewed every two years in alignment with the current RMS sent-out price, which will serve as a reference for evaluating the tender's pricing. In the event of a decrease in the RMS sent-out price, the company's price must be adjusted proportionally, calculated using a relative percentage ratio equation.		