



Ministry of Health

Directorate of Biomedical Engineering

Technical Specifications



Item Description: Jaundice Meter
Item No.(1)

Class No.: ()
Qty. (2)

No	Technical Specifications	Min MOH Requirement	Bidder Offer
1	Manufacturer	Please specify manufacturer and country of origin & country of manufacturer	
2	Model Number	Please specify model number of the offered equipment	
3	Safety Standard	FDA approval or CE marking	
4	Application	For use as a screening device for neonatal unconjugated hyperbilirubinemia in the newborn babies	
5	Principles of Operation	Measuring the yellowness of the sub-cutaneous tissue of a newborn infant by the difference in optical densities	
6	Design	<ul style="list-style-type: none">- Hand held- Non-invasive- No consumable parts	
7	Display	LCD for measured value, measurement unit	
8	Indicators	<ul style="list-style-type: none">- Power- Battery- Ready for measurement	
9	Wavelength Measurement	450nm and 550nm	
10	Measurement Range	0-20 mg/dl or better	
11	Measurement Accuracy	±1mg/dl or better	
12	Measuring Probe	<ul style="list-style-type: none">- Two optical paths- Reusable probe- Easy clean between measurements	
13	Calibration	Self-calibration (no user calibration required)	
14	Units	In mg/dl and µmol/l	
15	Light Source	Xenon lamp	
16	Software	User friendly	
17	Alarms	<ul style="list-style-type: none">- System failure- Power failure- Low battery- Test result exceed the maximum range	

Note: Bidder must answer with YES or NO in the “BIDDERS OFFER” Field

Equipment Distribution Locations: (1) مستشفى الأمير فيصل بن الحسين

مستشفى الملكة رانيا (1)

Cont. ... Jaundice Meter

No.	Technical Specifications	Min MOH Requirement	Bidder Offer
18	Safety	<ul style="list-style-type: none"> - The least affects measurement skin - Contains a reading checker to monitor sufficient light output 	
19	Memory	For not less than 500 results	
20	Battery	<ul style="list-style-type: none"> - Rechargeable battery - Not less than 300 tests when fully charged - Please specify battery shelf life - Please specify full time battery charge - Please specify full recharge from a discharged time 	
21	Battery Charging Unit	Included with built-in battery level checker	
22	Printer	Included (internal or external)	
23	Interface	USB	
24	Power Supply	AC/DC adapter	

Note: Bidder must answer with YES or NO in the “BIDDERS OFFER” Field

Equipment Distribution Locations: مستشفى الأمير فيصل بن الحسين (1)

مستشفى الملكة رانيا (1)