



Department of Pediatrics
All India Institute of Medical Sciences, Bhopal

E- Tender No: AIIMS/BPL/HOSP/2019-20/010 Dated- 01/11/2019
(Fluorimeter)

1. Trivitron Healthcare Pvt. Ltd.

Reference (Point No)	Tender Specifications	Request for Amendment	AIIMS Bhopal Response
3	The system should work on the principle of Time Resolved Flurometry (TRF) which is accepted globally and is proven and time tested.	Principle: Fluorescence method or time resolve fluorescence (TRF) method of detection	TRF is a well known technology feature. This has been included and considered in order to have better quality standards.
4	The system must be validated and published on population and at least 3 studies should be supplied for the same	Point to be deleted	This will eliminate the noise of false positives affecting the credibility of newborn screening apart from the cost factor
6	The system must have at least 3 installations in government institutions of India and provide user list with contact details of the quoted instrument.	Bidders must submit all India users list of their Newborn Screening Technology. Instruments and kits both along with latest performance certificates	This is as per GPR norms.
10	System should have barcode reader for plates and reagents.	System should have barcode reader for plates	This will prevent manual error by technical staff of accidentally punches in the wrong plate. This is to eliminate manual interface of errors
13	System should have the capability to do maternal fetal markers for aneuploidy screening additionally.	Point to be deleted	Newborn screening will also involve maternal and prenatal screening in the second phase of the project programme
19	Price of the reagent kits (including all the accessories) have to be quoted with the main offer for a period of at least 03 years.	Price of reagent kits (including all the accessories) have to be quoted with the main offer for a period of at least 03 years which shall be part of commercial evaluation for becoming L1 lowest bidder	The prices for reagents kits will not be added to the cost of equipment. The rates for these consumables will be freeze for a period of at least 3 years and a rate contract will be done.

Bhavna Dhingra

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23 (a)	Continuous light source for fluorometrics measurement : a. Tungsten halogen lamp. 70 or better W. Life time > 300h, spectral range 340-700 nm	Xenon flash lamp/ Tungsten halogen lamp/ Quartz halogen lifetime > 300 h. Spectral range 300-650 nm.	Can be deleted
23 (b)	Rotatable filter wheel A, provide with 8 filter positions (Ø 15 mm). Standard high quality interference filter 340nm, 355 nm, 390nm, 485nm, 544nm. Changeable rotatable filter wheel B, provided with 4 filter position (Ø 25.4 mm)	System must have minimum 4 filters wheel with all required excitation and emission filters to perform all tests within spectral range and capability to accommodate additional number of tests in future. Wavelength range could be from 230-1000nm.	Can be deleted
23 (c)	Flash light source for TR - fluorometric measurements : (i) U.V xenon flash tube, L4642 or equivalent, spectral range 280-400 nm. (ii) Filter slide, provided with 3 filter positions (Ø 22.4mm). Filter 340nm and 320 nm are fitted.	Point to be deleted	Can be deleted
24	Detection Units: a. Fluorometry and TR- fluorometry: (i) Photomultiplier tube, R 1527 (ii) Emission filter slide A, provided with 8 filter position (Ø 25.4mm) with the following b. Filters: (i) 405, 460, 486, 535, 590, 615 and 642 nm (ii) Changeable emission filter slide B, provided with 8 filter position (Ø 25.4mm).	Point to be deleted	Can be deleted
25	Performance:- a. Fluorometry fluorescein (i) Detection limit < 10 fmol/well b. TR fluorometry Europium detection limit: 12 amol/well Eu-linearity 5 decades.	i) Detection limit < 10 femtomoles/well or 2pM per well All other points for TR fluorometry to be detected	Can be deleted

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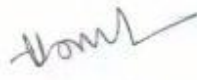
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2. Perkin Elmer

Reference (Point No)	Tender Specifications	Request for Amendment	AIIMS Bhopal Response
2	The system should be capable of carrying out the following assays in New born screening -G6PD, TSH, T4,IRT PKU, BIOINDASE, GALT, TOTAL GALACTOSE & 170 HP. All assays should be also certified -USFDA/CE-IVD	"170 HP to be replaced with " 17 OHP"	To be replaced as suggested
8	Software should provide facility to enter and track patient and contact information, create and maintain rules related to the creation and content of patient reports and statistical information of monitor the performance of the program.	"of monitor the performance" to be changed to "to monitor the performance"	To be replaced as suggested
13	System should have the capability to do maternal fetal markers for aneuploidy screening additionally.	" Maternal Fatal markers" to be replaced as " Maternal fetal markers"	To be replaced as suggested


 22.12.2019
 Dr. Arun Hinder


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Bhavna Dhirga