Department of Pediatrics

All India Institute of Medical Sciences, Bhopal

E- Tender No: AIIMS/BPL/HOSP/2019-20/012 Dated- 14/11/2019
(Newborn Screening System for Haemoglobinopathy through Dried Blood Spot)

1. **Trivitron Healthcare Pvt. Ltd.**

Reference (Point No)	Tender Specifications	Request for Amendment	AIIMS Bhopal Response
1	The system should be automated, closed HPLC based system for screening of HbF, HbA, HbS, HbD, HbE and HbC and some alpha thalassemia conditions in neonates.	The system should be automated, Capillary Electrophoresis/ HPLC based system for screening of HbF, HbA, HbS, HbD, HbE and HbC and some alpha, beta thalassemia and Hemoglobin Bart's conditions in neonates.	The system should be automated, closed HPLC/Electrophoresis based system for screening of HbF, HbA, HbS, HbD, HbE and HbC and some alpha, beta thalassemia conditions in neonates.
2	The system must be able to accept samples of neonatal blood collected by heel stick method on filter paper (dried blood spot).	The system must be able to accept samples of neonatal blood collected by heel prick method on filter paper (dried blood spot).	Change as suggested, is acceptable
3	The system should have two dual piston pumps with a maximum pressure of 4000 psi & a precision of+1%.	Point should be Deleted as discussed	Change as suggested, is acceptable
5	The system should have dedicated computer and software for operating the system. Moreover the software should have customized reporting format, giving info on the subtype and quantity of hemoglobin detected. Also the software should enable result storage of minimum 5000 chromatograms.	The system should have dedicated computer and software for operating the system. Moreover the software should have customized reporting format, giving info on the subtype and quantity of hemoglobin detected. Also the software should enable result storage of minimum 5000 chromatograms/ Electrograms	Change as suggested, is acceptable

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8	The system should be capable of testing greater than 250 samples in a day.	The system should be capable of testing greater than 250 samples/ 8 hrs.	The system should be capable of testing greater than 250 samples in a day.
10	The HPLC system should have a dual piston pump so that each elution buffer has a different pump and the buffers work efficiently to give a continuous and a precise buffer gradient.	The point should be deleted as discussed	Change as suggested, is acceptable
13	Complete ready to use reagent kit for at least 1000 tests should be provided with buffers in plastic tanks to view the levels of buffers, Columns, primers, calibrators and sample vials	Complete ready to use reagent kit for at least 1000 tests should be provided	Complete ready to use reagent kit for at least 1000 samples should be provided for initial validation of the tests in our laboratory settings.
19	Complete ready to use reagent kit must be provided with buffers in plastic tanks to view the levels of buffers during the run. Columns, primers, calibrators with diluent, CD to upload reagent information (such as lot number, expiry date so that user don't do individual entry and avoid errors) and sample vials must be within the kit as a single kit, thus, making it easy to calculate cost per test.	Complete ready to use reagent kit & consumable details must be provided to calculate cost per test.	Change as suggested, is acceptable

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