

Reference No.-

Subject: Purchase of Real Time Isothermal Amplification System (Genie II) (No-1)

The Department is in the process to purchase Real Time Isothermal Amplification System (Genie II) (No-1) for Division of Clinical Microbiology & Molecular Medicine at AIIMS, New Delhi-29 from M/S Ampligene India Biotech Pvt Ltd, Ahmedabad, Gujrat.

The above documents are being uploaded for open information to submit objections, comments, if any, from manufacturer regarding proprietary nature of the equipment/item within issue of 15 days giving reference No.....
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The comments should be received by office of store officer, Lab Medicine, store section, AIIMS on or beforeupto 5.00 pm, failing which it will be presumed that another vendor is having no comment to offer and case will be decided on merits.

Yours faithfully

Store officer,
Lab Medicine, AIIMS

Encl: Related documents enclosed

Specifications for Real Time Isothermal Amplification System (Genie II) (No-1)

1. System should allow isothermal amplification of DNA and RNA to take place in a compact and portable device.
2. The equipment should have ceramic substrate based heater technology, temperature control by multi-zone independent digital PID and high precision thermistor sensor with temperature range ambient to 100oC with superior accuracy $\pm 0.1^{\circ}\text{C}$.
3. The system should have provision to run gradient temperature cycles.
4. The system should have two independent heating blocks for 2 x 8=16 samples in a single run with sample volume range 10 μL to 150 μL .
5. System working principle should be based on fluorescence and luminescence detection technology.
6. System should have precision LED based optical detection system to observe real-time data from isothermal amplification reactions with monitor all dyes with excitation at 470nm and detection above 510nm.
7. System should have contains an internal rechargeable Li-Po battery, allowing operation for a full day without the requirement for mains electricity.
8. System should have sensitive touch screen (7th inch) LCD display to realtime monitor the results and no need for a computer.
9. The system should have high resolution Anneal curve analysis.
10. System should have software for fully automated interpretation of results and PC software should also be included.
11. System should be Compact, lightweight and operate with or without a computer.
12. The committee went through the documents submitted by Optigene (UK) to substantiate that the product is propriety of Optigene (UK) and the same can be purchased on propriety basis.

These specifications are claimed to be proprietary of Optigene (UK) and marketed by M/S AmpligeneIndia Biotech Pvt Ltd, Ahmedabad, Gujrat. If any other firm meets the above specification please contact Prof. Sarman Singh or store officer (LM) within 15 days. If no representation is received within the said period the above system will be presumed to be propriety and procured accordingly.