



**DEPARTMENT OF BIOTECHNOLOGY**  
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Dr. D. KARUNAGARAN

Professor and Head

Date: 02.07.2015

**Ref: BT/SMAH/2015/012/SPL**

**Dt. 02.07.15**

**Due Dt.16.07.15**

1. Quotations are invited in duplicate for the various items shown below/overleaf/ enclosed list.
2. The quotations duly sealed and super scribed on the envelope with the reference No. and due date, should be addressed to the undersigned so as to reach him on or before the due date stipulated above.
3. The quotations should be valid for sixty days from the due date and the period of delivery required should also be clearly indicated.
4. If the item is under DGS & D Rate Contract, Rate Contract Number and the price must be mentioned. It may also please be indicated whether the supply can be made direct to us at the rate contract price. If so, please send copy of the R.C. (Please note that we are not Direct Demanding Officers).
5. Relevant literature pertaining to the items quoted with full specifications (and drawing, if any) should be sent along with the Quotations, wherever applicable. Samples if called for should be submitted free of charges and collected back at the supplier's expenses.
6. **Local Firms:** Quotations should be for free delivery to this Institute. If quotations are for Ex-Godown, delivery charges should be indicated separately.
7. **Firms outside Chennai:** Quotations should be for F.O.R Chennai. If F.O.R. Consigner stationer freight charges by passenger train/lorry transport must be indicated. If Ex-Godown, Packing, forwarding and freight charges must be indicated.
8. The rates of Sales/General Taxes and the percentage of such other taxes legally leviable and intended to be claimed should be distinctly shown along with the price quoted. Where this is not done, no claim for Sales/General Taxes will be admitted at any stage and on any ground whatsoever. **The taxes leviable should take into consideration that we are entitled to have concessional sales tax applicable to non-government educational institutions run with no profit motive for which a Concession. Sales tax certificates will be issued at the time of final settlement of the bill.**
9. Goods should be supplied carriage paid and insured.
10. Goods shall not be supplied without an official supply order.
11. **Payment:** Every attempt will be made to make payment within 30 days from the date of receipt of bill/acceptance of goods, whichever is later.

# Human Exome library preparation reagent

## Specifications:

1. The technology has to enable to capture of genomic targets using long RNA baits which allow for efficient enrichment of regions of interest facilitating confident variant calling.
2. It should be comprehensive design that target coding regions of genes included in major databases and provide deep coverage of targets from 4Gb of sequencing, enabling confident and cost-efficient variant calling. 80% of reads map back to targets\* enabling cost-efficient sequencing
3. 80% of targets should be covered at 20x with 4Gb of sequencing
4. Customization should be enabled and faster time to results, a simplified raw data to variant analysis software.
5. This high-performing capture library should be coupled with highly efficient workflows that provide faster time to results, compatibility with samples of limited availability, and flexible workflows that enable pre-capture or post-capture pooling, single or dual indexing, and support for automation.
6. **DNA 1000 Kit – 2 no.** (For the separation, sizing and quantification of dsDNA fragments from 25 to 1000 bp. The kit should includes 25 microfluidic chips, reagent and consumables)
7. **RNA 6000 Nano Kit – 2 no.** (For the analysis and quantitation of total and mRNA samples of 25 to 500 ng/ $\mu$ L in concentration. The kit should include 25 microfluidic chips, reagents and consumables.)

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**Head of the Department**