

**Open Tender Notification for the procurement of “Polysome
Fractionation System & Accessories” at the Indian Institute of
Science, Bangalore
(TENDER FROM DOMESTIC VENDORS)**

Date: 9th December 2021

Last date of submission of tenders: 24th December 2021

To Whom It May Concern

This is to seek quotations valid for 90 days for the supply of equipment as per the specifications described below. A quotation should clearly indicate the terms and conditions of the vendor, delivery schedule, applicable taxes, payment terms etc. The tender should be submitted in two separate sealed envelopes – one containing the “Technical bid” and other containing the “Commercial bid”, both of which should be duly signed and must reach the undersigned on or before 17:00 hours, 24th December 2021.

Please note:

1. Quote should come only from Indian Original Equipment Manufacturer (OEM) or their Indian authorized distributor.
2. The quotations should be on FOR-IISc Bangalore basis in INR only

Quote/bids should be addressed to:

**The Chair
Department of Microbiology & Cell Biology,
Division of Biological Sciences,
IISc, Sir CV Raman Avenue, Bengaluru 560 012**

TENDER SPECIFICATIONS

- 1) The system must have a stand alone automated gradient maker for tubes ranging between 13-38 ml (compatible with Beckman SW41/ 42 and SW28/ 32 rotors).
- 2) The instrument base unit must have a piston-based mechanism to ensure uniform fractionation of the content of the sample tube.
- 3) The base unit must have two distinct types of tube mounts: SW40/ 41 tubes (~13 ml) and SW28/ 32 tubes (30-38 ml).
- 4) Necessary mounts and connectors to fix the tubes on the base unit for fractionation.
- 4) The flow cell must be able to operate at 260 nm and 280 nm wavelengths and capture high resolution scanning of density gradients. It must also be capable of detecting eGFP and mCherry, and overall three wavelengths (including gradient scans for two aforementioned fluorescence wavelengths) at the same time.
- 5) Appropriate tubing and other accessories that would connect the mounted tube on the base unit undergoing piston fractionation to that of the flow cell and detectors/ recorders.
- 6) A fraction collector capable of hosting at least fifty 1.5 or 2.0 ml tubes
- 7) Necessary software to record/ transfer/ present the data on a computer
- 8) At least one year warranty