



Department of Pharmaceutical Sciences
Dr. Hari Singh Gour Vishwavidyalaya Sagar (M.P.)
(A Central University)

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NO:- Pharm.Store/Quotation/Enquiry/2016

Dated 29/04/2016

To,

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Inviting Quotation Notice

Department of Pharmaceutical Sciences, Dr. H. S. Gour Vishwavidyalaya Sagar (MP) invited the Quotations for the following items:

I Flash Chromatography System

Please quote your rates, terms, time of delivery, taxes etc. in DUPLICATE for the items stating make, quality and full specifications and submit your quotations in a duly sealed cover envelope latest by 23/5/2016

Please also mark our reference No, date , “Quotation for [Name of Instrument]” due on dated 23/5/2016 on the cover of quotation and also quote F.O.R. SAGAR only.

Please make sure that there must be a quotation that may please be sent preferably by Registered post / speed post / courier to the “The Head Department of Pharmaceutical Sciences, Dr. H. S. Gour Vishwavidyalaya Sagar (MP).

Please furnish documentary proof that you are a Manufacturer/Authorized dealer/Sole distributor for the Instruments quoted for.

HEAD DEPT. OF PHARM. SCIENCES

विद्ययाध्यक्ष

Head

शैक्षणिक विज्ञान विभाग

DEPARTMENT OF PHARMACEUTICAL SCIENCES

डॉक्टर हरिसिंह गौर विश्वविद्यालय, सागर (म.प्र.)

DOCTOR HARISINGH GOUR VISHWAVIDYALAYA, SAGAR (M.P.)

(केन्द्रीय विश्वविद्यालय A CENTRAL UNIVERSITY)

Encls:-Detailed Specifications of above items are enclosed.

Automated Flash Chromatography system specifications:

1. Compact bench top model.
2. Capable of computer controlled delivery of **four solvents** for binary gradient mode and isocratic mode, 2 step Gradient and Rf gradient.
3. Solvent flow rate: 1 to 70 mL/min or above.
4. Pumping system with pumping capacity of 10 Bars/ 145 psi or more.
5. The system to have the facility to use Inject / sample loading column with pre packed adsorbent to trap high polar solvent without affecting the sample separation.
6. Variable Wavelength UV Detector range from 200-380nm or more . The detector should have detection range of 0.04 to 4 AUFS and facility to upgrade with the **external detector, ELSD or RI** as and when requires.
7. Automatic fraction collection. Fraction tracking facility with peak to tube graphical interface.
8. Touch-screen controlled software for operation of the machine.
- 9.

Application software :

- Eluting position controllable
- Simple & easy change of method parameters on the fly
- Automatic method set-up based on Inputting TLC Rf value for the single target compound and/or multiple targets
- Visual indication to predict where and when the target compound will elute
- Automatic sample loading scale up & down from one size column to another based on inputting RF value
- Real time monitoring
- Branded PC All in ONE Touch Pad with latest windows based operating system, minimum 2 GB RAM, hard disk 300 GB (minimum)

10. The system & software should have facility to upgrade **OR** connect the TLC Image Reader and **calculate the Rf value Automatically and create the chromatography Gradient method automatically.**
11. System supplied with Racks for 18x150 mm test tubes.
12. Safety features like automatic stop of flow if collection tray is full or unavailable, pressure moderating system.
13. The system and software have facility to connect 2 columns in Series/ Tandem Mode to separate the very close TLC spot compound and to increase the sample loading capacity and set the method automatically.
14. The System have capable to use from 4 gm to 300gm Disposable pre packed Silica / RP Columns.
15. Empty self packing glass columns and pre packed Silica columns having different dimensions supplied by the principal manufacturer should be quoted under optional accessories.
16. Operating voltage : 230V/50Hz

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29.04.2016
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Head
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DEPARTMENT OF PHARMACEUTICAL SCIENCES
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