

**INDIAN INSTITUTE OF TECHNOLOGY KANPUR**  
**Department of Chemical Engineering**  
**PG RESEARCH LAB**



Room No- 302, NL-II, CHE

Ph No-6538

**Booking Form**

**A** **GPC**

for Office Use

|                   |           |                     |  |
|-------------------|-----------|---------------------|--|
| <b>Booking No</b> | GPC / A / | <b>Booking Date</b> |  |
|-------------------|-----------|---------------------|--|

|                     |                   |  |           |  |
|---------------------|-------------------|--|-----------|--|
| <b>User Details</b> | Name              |  | Roll / PF |  |
|                     | Supervisor's Name |  | Phone     |  |
|                     | Department        |  | Email     |  |
|                     | Project No.       |  |           |  |

**Please Check to confirm sample requirements-**

|                          |   |
|--------------------------|---|
| <input type="checkbox"/> | Samples should be prepared by dissolving 0.5 to 1 mg of compound in 01 ml of THF/Water(Depends on Mobile Phase) |
| <input type="checkbox"/> | Sample must be filtered with $\leq 0.22 \mu\text{m}$ filter.  |
| <input type="checkbox"/> | Ensure samples are chemically compatible with the GPC column.   |
| <input type="checkbox"/> | Sample should be fully soluble at ambient temperature (Atleast few Hrs)   |

**GPC Method Details**

**Any other information about samples**

|   | Parameters   | Details |  |
|---|--|---------|--|
| 1 | Nature of Sample<br>Non-Toxic/Toxic Hazardous/Photosensitive |         |  |
| 2 | Number of Samples  |         |  |
| 3 | Mobile Phase Composition                                     |         |  |
| 4 | Flow Rate(MP)  |         |  |
| 5 | Sample Solvent & Injection Volume                            |         |  |
| 6 | Expected Molecular Weight of Polymer                         |         |  |
| 7 | Expected Run Time  |         |  |

|                      |   |                                     |   |
|----------------------|---|-------------------------------------|---|
| 8 Required Detectors | <input type="checkbox"/> Refractive Index | <input type="checkbox"/> Viscometry | <input type="checkbox"/> Light Scattering |
|----------------------|---|-------------------------------------|---|

|   |                 |   |
|---|-----------------|---|
| 9 | Required Column | <input type="checkbox"/> PL 8 Aqua Gel OH 30 (300 X 7.5) mm , pH : 2 – 10 & Molecular Weight : 100 Da to 60 kDa |
|   |                 | <input type="checkbox"/> PL 5 Gel Mixed - C (300 X 7.5) mm , pH : 1-14 & Molecular Weight: 200 Da to 2 Mda      |

|                    |                      |      |  |                |  |             |
|--------------------|----------------------|------|--|----------------|--|-------------|
| <b>For Lab use</b> | <b>Allotted Slot</b> | Date |  | Timing (FN/AN) |  | Total Slots |
|                    |                      |      |  |                |  |             |
|                    |                      |      |  |                |  |             |
|                    |                      |      |  |                |  |             |
|                    |                      |      |  |                |  |             |
|                    |                      |      |  |                |  |             |
|                    |                      |      |  |                |  |             |

Kindly transfer Rs \_\_\_\_\_ from Project No \_\_\_\_\_ which is  
 Expiring on \_\_\_\_\_ to account no LDA/IITK /CHE/2024520

|                   |                                     |
|-------------------|-------------------------------------|
|                   |                                     |
| Signature of User | Signature of Head / PI / Supervisor |
|                   |                                     |
| User Name         |                                     |

|     |                      |                 |
|-----|----------------------|-----------------|
| GPC | Instrument Charge Rs | 1500 Per Sample |
|-----|----------------------|-----------------|