



**PUSAT PENGURUSAN MAKMAL  
UNIVERSITI (PPMU)**

|                   |            |
|-------------------|------------|
| Form Num.         | UURL/F/34  |
| Version           | 1/2023     |
| Effective Date    | 01/02/2023 |
| Equipment         | UHPLC-ELSD |
| Sample Serial No. | UURL/      |

**LIQUID CHROMATOGRAPHY LABORATORY  
SAMPLE SUBMISSION FORM (INDUSTRY)**

**General Rules and Requirements:**

- All information provided should be true
- Booking will be notified/updated by email
- Booking procedure
  - Submit the complete application form to UURL Sample Acceptance Counter
  - Fast Lane is offered to non-UTM customers with an additional 50% charge from the normal price
- Sample Condition & Preparation
  - PPMU has the right to cancel any analysis if the sample is suspected to have a high risk on the safety of the operator or can cause damage to the instrument during the analysis. The cost of damages will be borne by the customer.
  - The remaining samples will be disposed of within a month after analysis is completed.
  - Only samples that were ready to be analyzed were accepted by the lab.
- All enquiries regarding UHPLC should be forwarded to the Science Officer (Mr. Ahmad Muslehuddin Sarun, email: [a.muslehuddin@utm.my](mailto:a.muslehuddin@utm.my), tel: 07-5557775 or Assistant Engineer, Mr. Amirul Amin Khir Anuar, email: [amirulamin@utm.my](mailto:amirulamin@utm.my), tel: 07-555720) or visit our website at [ppmu.utm.my](http://ppmu.utm.my)

**1. APPLICANT'S PERSONAL PARTICULARS**

|                            |   |
|----------------------------|---|
| Name of Applicant          |   |
| Hand Phone No              |   |
| Email                      |   |
| Department/Division        |   |
| Signature & Official Stamp | *A digital signature is not recommended. Any matters raised in the future are beyond our responsibilities |

**2. COMPANY DETAILS**

|                  |                               |                              |                                  |                                    |
|------------------|-------------------------------|------------------------------|----------------------------------|------------------------------------|
| Name             |                               |                              |                                  |                                    |
| Registration No. |                               |                              |                                  |                                    |
| Address          |                               |                              |                                  |                                    |
| Telephone No.    |                               |                              |                                  |                                    |
| Email            |                               |                              |                                  |                                    |
| Mode of Payment  | <input type="checkbox"/> Cash | <input type="checkbox"/> EFT | <input type="checkbox"/> Invoice | <input type="checkbox"/> Fast Lane |

**3. SAMPLE INFORMATION**

|                                     |                                |                                       |                                 |
|-------------------------------------|--------------------------------|---------------------------------------|---------------------------------|
| Total No. of Sample                 |                                |                                       |                                 |
| Name of Sample/s                    |                                |                                       |                                 |
| Sample Properties (please tick (v)) | <input type="checkbox"/> Toxic | <input type="checkbox"/> Carcinogenic | <input type="checkbox"/> Normal |
| Sample Purity                       |                                |                                       |                                 |
| Targeted Compounds                  |                                |                                       |                                 |

**4. ANALYSIS INFORMATION (please attach the copy of referred journal)**



**UTM**  
UNIVERSITI TEKNOLOGI MALAYSIA

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|                                       |   |       |   |       |       |               |                    |
|---------------------------------------|---|-------|---|-------|-------|---------------|--------------------|
| Type of Column Available              | Waters, XBridge BEH C18,<br>4.6 x 250mm, 5 micron       |       | Waters, XBridge Amide BEH,<br>4.6 x 250mm, 5 micron                 |       |       |               |                    |
|                                       | Waters, XBridge Phenyl BEH,<br>4.6 x 250mm, 5 micron    |       | ZORBAX Eclipse Plus C18,<br>Rapid Resolution 4.6 x 100mm 3.5 micron |       |       |               |                    |
|                                       | Phenomenex Gemini® 5µm NX-C18<br>LC column 250 x 4.6 mm |       |   |       |       |               |                    |
| Elution (please tick (v))             | Isocratic   |       | Gradient  |       |       |               |                    |
| Injection Volume (µL)                 |   |       |   |       |       |               |                    |
| Flow Rate (mL/min)                    |   |       |   |       |       |               |                    |
| Gain                                  |   |       |   |       |       |               |                    |
| Oven Temperature (°C)                 |   |       |   |       |       |               |                    |
| Stoptime (min)                        |   |       |   |       |       |               |                    |
| Postrun (min)                         |   |       |   |       |       |               |                    |
| Mobile Phase or Premix (If Isocratic) | A :   | %     | C :   | %     |       |               |                    |
|                                       | B :   | %     | D :   | %     |       |               |                    |
| Mobile Phase Timetable (If Gradient)  | Time (min)  | A (%) | B (%)   | C (%) | D (%) | Flow (mL/min) | Max Pressure (bar) |
|                                       |   |       |   |       |       |               |                    |
|                                       |   |       |   |       |       |               |                    |
|                                       |   |       |   |       |       |               |                    |
|                                       |   |       |   |       |       |               |                    |
|                                       |   |       |   |       |       |               |                    |