



**MAKMAL BERPUSAT**  
**UNIVERSITI MALAYSIA TERENGGANU**  
 21030 Kuala Terengganu, Terengganu  
 Fax : 09-668 3395

Form Num.

UMT/MB/M/2016/IC

Sample No.

IC/

**ION CHROMATOGRAPHY ANALYSIS APPLICATION FORM**  
**(881 COMPACT IC PRO METROHM)**

**APPLICANT'S PERSONAL PARTICULARS**

<b>Name of Applicant</b>							
<b>Status of Applicant</b>	<b>Internal</b>		Undergraduate		Master/PhD		Collaborator
	<b>External</b>		Student		Government		Private
<b>Student ID / IC No.</b>							
<b>Faculty/ Department</b>							
<b>Hand Phone No. &amp; Email</b>							

**SUPERVISOR DETAILS**

<b>Name of Supervisor</b>							
<b>Research Vot. No.</b>							
<b>Faculty/Department</b>							
<b>Payment via *</b>	Cash / Electronic Fund Transfer (EFT)					Local Order (LO) / Purchase Order (PO)	
	Direct Invoice			Vot Transfer		Cheque	
<b>Hand Phone No. &amp; Email</b>							
<b>Signature &amp; Official Stamp Date</b>							

**SAMPLE INFORMATION**

<b>Type &amp; Number of Sample *</b>	Fresh water					
	Drinking Water					
	Lake Water					
	Other <i>(Please specify)</i> :					
<b>Sample Labels &amp; Information</b> <i>(Please specify the sample label/tag)</i>	<b>1</b>				<b>6</b>	
	<b>2</b>				<b>7</b>	
	<b>3</b>				<b>8</b>	
	<b>4</b>				<b>9</b>	
	<b>5</b>				<b>10</b>	
	* Please attach additional list of samples if necessary * Samples should be filtered using 0.2 or 0.45µm syringe filter & place in 11 mL IC Tube / 15 mL Centrifuge Tube					
<b>Expected Concentration of Standard - Calibration Curve</b> <b>(Min-3 points, Max-5 points)</b>	ppm	ppm	ppm	ppm	ppm	
	*Recommended Standard Points: 2 ppm, 4 ppm, 6ppm, 8ppm					
<b>Sample Handling Details *</b>	Store samples in the fridge / freezer					
	Store sample in the room temperature					
	Other handling instructions or hazard information: <i>(Please specify)</i> :					
<b>Type of Analysis *</b>	<b>Cation</b>			<b>Anion</b>		
	Sodium (Na <sup>+</sup> )			Flouride (F <sup>-</sup> )		
	Lithium (Li <sup>+</sup> )			Bromide (Br <sup>-</sup> )		
	Potassium (K <sup>+</sup> )			Chloride (Cl <sup>-</sup> )		
	Calcium (Ca <sup>2+</sup> )			Nitrite (NO <sub>2</sub> <sup>-</sup> )		
	Magnesium (Mg <sup>2+</sup> )			Nitrate (NO <sub>3</sub> <sup>-</sup> )		
	Ammonium (NH <sub>4</sub> <sup>+</sup> )			Phosphate (PO <sub>4</sub> <sup>2-</sup> )		
<b>Dilution *</b>	Yes.	<i>Please specify the dilution factor:</i>				
	No					
<b>Sample should be returned *</b>	Yes					
	No	<i>(If no, please enclosed disposal procedure)</i>				
<b>Please Specify any Result Expectation</b> <i>(eg. Concentration range)</i>						

**OFFICE USE**

Date of Received	
Date of Completion	
Signature & Stamp of Person In-Charge	

\*Please tick

**General Rules and Requirement:**

1. Any sample or derivation of swine/pork/lard/pig/dogs type is not accepted for analysis purposes.
2. Please refer to the website (<http://makmalberpusat.umt.edu.my/>) for further details of pricing and instrument. All analysis prices are subject to change.
3. All information provided should be true
4. Submit the completed application form to the lab staff.
5. Sample Condition & Preparation
  - a. Please be ensure the **MINIMUM SAMPLE VOLUME REQUIRED** should be **MORE THAN 8 ML PER ANALYSIS**.
  - b. Sample should be filtered. Any relatively high concentration of the samples will be made further dilution upon discussion between client & person in-charge.
  - c. Makmal Berpusat UMT has the right to cancel any analysis if the sample is suspected to have high risk on the safety of the operator or can cause damage to the instrument during the analysis.
6. All inquiries regarding Ion Chromatography instrument should be forwarded to the Science Officer (Mrs Nor 'Atiyah Binti Mohamed/ 09-668 3360/ [noratiyyah@umt.edu.my](mailto:noratiyyah@umt.edu.my))

**REMARKS**

NO	DESCRIPTION			CHECKLIST - PIC
1	Storage		Room	Location:
			4°C	
			-20°C	
			-80°C	
2	List of received Item	No	Item	Quantity
		1	Sample in 11 mL IC Tube	
		2	Sample in 15 mL Centrifuge Tube	
		3	Sample in	
		4		
3	Post Analysis		Storage	
			Dispose	
4	Receiver Name			
		Stamp :		Stamp :
		Date:		Date: