

**FESEM TESTING & ANALYSIS
SERVICE**

For Laboratory Use Only

Received date :
Ref. no. : FESEM/A/202___/
Quotation no. :
Date completed :

APPLICANT INFORMATION

NAME :
SUPERVISOR :
MATRIX NO :
Please (√) at the relevant box:
 RESEARCH ASSISTANT
 UNDERGRADUATE / PROJECT STUDENT
 POSTGRADUATE (Master/PhD)
 OTHERS (Postdoctoral/lecturer)

CONTACT NO. :

EMAIL :

SAMPLE INFORMATION

Type of samples:
 Powder
 Thin film or glass
 Biological
 Polymeric material

Sample's compound area:
 Surface
 Cross section

Required measurement?
YES / NO

DETAILS OF ANALYSIS

No.	Name of sample ¹	Magnification ²	Analysis type ³	Is coating required? Yes / No	Expected element present for EDX analysis	Unit Price, RM	Amount, RM
			FESEM / STEM ⁴ / FESEM + EDX ⁵				
TOTAL							

¹ Maximum sample submission is not more than 5

² Maximum magnification is 800k.

³ Maximum scan image request for each sample are not more than 5

⁴ Please provide your own copper grid

⁵ EDX analysis:

(a) Analysis system: Points analysis Mapping analysis Linescan

CONFIRMATION OF USING SERVICE

Applicant signature : _____

Date : _____

RESEARCH FUND INFORMATION

- (1) For HIR, please issue Journal Transfer Form and complete the form. Send a copy of completed form to FESEM laboratory. For Internal Grant (UMRG, PPP, BKP, .) and External Grant (SCIENCE Fund, FRGS, .)

Please do fund transfer to

Account : BUKU PETUNJUK JABATAN KIMIA J-21030-UM.0000003/KWJ.NP.BP
 Revenue Code : H724001
 Description : Usage of FESEM instrument
 Amount : As per service charge

- (2) Service charge as follow. For **latest charge** please refer to Chemistry Department Central Facility Website : cenfac.um.edu.my

	Equipment	Analysis Type	Price (RM/sample)			
			Dept. of Chemistry	Collaboration	Faculty of Science	Other Faculty
Package A (1-9 samples)	FESEM	FESEM	150	180	200	350
		EDX	80	100	100	120
Package B (10-19 samples)		FESEM	140	170	190	340
		EDX	70	90	95	115
Package C (20-29 samples)		FESEM	135	160	180	330
		EDX	65	85	90	110
Package D (30 samples and above)		FESEM	130	150	170	320
		EDX	60	80	85	100
		Platinum coating	50	70	80	100

- (3) The print-out Invoice Commitment must be approved by Supervisor and Head of Department.
 (4) Please submit together with the application form.

We agree to make the payment in accordance to the service charge issued by Department of Chemistry, Faculty of Science, University of Malaya

RESEARCH GRANT NAME : RESEARCH GRANT NO. :

SUPERVISOR'S SIGNATURE : DATE :
 & OFFICIAL STAMP

IMPORTANT INFORMATION

User are required to read and understand the following requirement:-

1. Samples cannot be in liquid form.
2. Maximum sample weight is 10mg.
3. For film sample, size must be 10mm x 10mm
4. For cross section glass and thin film sample, size must be 10mm (H) x 5mm (W)
5. Staff 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

For any queries please contact:

Resource person	Name	Phone	Email
Assistant Science Officer	Mohd Shukri Abd. Aziz	03-7967 7022 ext. 2537	shukriaziz@um.edu.my
Senior Assistant Science Officer	Ruhaida Bahru	03-7967 7022 ext 2124	i_da@um.edu.my
Instrument coordinator		Phone	Email
Dr.Nor Mas Mira binti Abd. Rahman		03-7967 7022 ext. 2527	nmmira@um.edu.my