

Charging Rate for the Characterization Equipment

| Equip Name / Svc Description | Equipment Location | Contact Person / Info | Operated by the User | | | | Operated by our lab officers |
|---|--------------------|-----------------------|----------------------|-----------|-------------|-----------|--------------------------------|
| | | | Internal* | External | | | |
| | | | | Institute | PPP Company | Company | |
| Scanning Electron Microscope (SEM) | BLK E3A #05-12 | Agnes Lim/ Ext:1343 | S\$60/hr | S\$120/hr | S\$60/hr | S\$250/hr | S\$300/ sample |
| Atomic Force Microscope (AFM) | BLK E3A #05-17 | Agnes Lim/ Ext:1343 | S\$80/hr | S\$130/hr | S\$80/hr | S\$250/hr | S\$300/ sample |
| Malvern Nano ZetaSizer Analyzer | BLK E3A #05-17 | Agnes Lim/ Ext:1343 | S\$100/hr | S\$200/hr | S\$100/hr | S\$400/hr | S\$400/ sample |
| Micromeritics ASAP 2020 Surface Area and Porosity | BLK E3A #05-17 | Agnes Lim/ Ext:1343 | S\$50/hr | S\$100/hr | S\$50/hr | S\$150/hr | S\$1200/ BET sample |
| DSC/ DTA/TGA | Blk E3A #05-07 | Heche/Ext 4868 | S\$25/hr | S\$50/hr | S\$25/hr | S\$75/hr | S\$300/ sample |
| SDT | Blk E3A #05-07 | Heche/Ext 4868 | S\$30/hr | S\$55/hr | S\$30/hr | S\$80/hr | S\$300/ sample |
| TF XRD / Powder XRD | BLK E3A #05-15 | Chen Qun/Ext 4634 | S\$50/hr | S\$100/hr | S\$50/hr | S\$200/hr | S\$200/ sample |
| Raman | Blk E3A #05-08 | Serene/Ext 5653 | S\$60/hr | S\$100/hr | S\$60/hr | S\$200/hr | S\$300/ sample |
| Photoluminescence | Blk E3A #05-08 | Serene/Ext 5653 | S\$80/hr | S\$140/hr | S\$80/hr | S\$280/hr | S\$400/ sample |
| UV-VIS-NIR Spectrophotometer | BLK E3A #05-18 | Hejian/Ext 8759 | S\$30/hr | S\$40/hr | | | S\$100/ sample |
| UV-Vis Spectrophotometer | BLK E3A #05-18 | Hejian/Ext 8759 | S\$20/hr | S\$30/hr | | | S\$100/ sample |
| FTIR | BLK E3A #05-18 | Hejian/Ext 8759 | S\$30/hr | S\$40/hr | | | S\$100/ sample |
| Hall Effect | BLK E3A #05-07 | Chen Qun/Ext 4634 | S\$20/hr | | | | S\$100/ sample |
| Four-point Probe | BLK E3A #05-07 | Chan/Ext 5116 | S\$20/hr | | | | S\$100/ sample |
| Universal Testing Machine | BLK E3A #05-07 | Roger/Ext 8743 | S\$20/hr | | | | S\$100/ sample |
| VSM | BLK E3A 05-01 | Chen Qun/Ext 4634 | S\$50/hr | S\$100/hr | S\$50/hr | S\$200/hr | S\$200/ sample |
| Charges include training and consumable costs. Charge is by booking. Cancellations to be done 1 day in advance. * includes NUS-affiliated Research Institute (IMRE, DSI etc) and NUS Faculties | | | | | | | Charges include consulting fee |

Note: Undercharges for internal and institute, PPP companies as it still unable to recover repair, maintenance consumable