



## Detailed Laboratory Instrument List at Taiwan Site

| Type                                    | Set                     | Manufacturer    | Model                 |                           |
|---|-------------------------|-----------------|-----------------------|---------------------------|
| Autotitrator                            | 2                       | Metrohm         | 736 GP                |                           |
| Autoclave                               | 2                       | Steris          | Lab90                 |                           |
| Capillary Electrophoresis               | 1                       | Beckman         | P/ACE                 |                           |
|   | 1                       | Hewlett Packard | 3D CE                 |                           |
| Differential Scanning Calorimetry (DSC) | 1                       | TA Instrument   | 2920                  |                           |
|   | 1                       | Mettler-Toledo  | DSC821                |                           |
| FT-IR                                   | 1                       | Nicolet         | 560                   |                           |
|   | 1                       | Nicolet         | Avatar 360            |                           |
| FT-IR Microscope                        | 1                       | Nicolet         | 0049-005              |                           |
|   | Gas Chromatography (GC) | 5               | Hewlett Packard       | HP6890/G1289; 6898 Series |
|   |                         | 3               | Perkin Elmer          | Auto System XL            |
|   | 2                       | Varian          | 3800/8200/Genesis     |                           |
| Gas Chromatography (part of GCQ)        | 1                       | CE Instrument   | Trace 2000            |                           |
| HPLC                                    | 20                      | Waters          | 2690                  |                           |
|   | 9                       | Hewlett Packard | HP1100                |                           |
|   | 7                       | Hitachi         | Series D-7000         |                           |
|   | 1                       | Perkin Elmer    | SERIES 200            |                           |
|   | 7                       | TSP             | P4000 ;AS3000         |                           |
| Ion Chromatography (IC)                 | 2                       | Dionex          | CD20/GP50/LC20/AS3500 |                           |
| Inductively Coupled Plasma (ICP)        | 1                       | Perkin Elmer    | Optima 4300           |                           |
| Karl Fischer                            | 1                       | Metrohm         | 737/707KF             |                           |
|   | 1                       | Metrohm         | 701KF                 |                           |

|                                  |   |                   |   |
|----------------------------------|---|-------------------|---|
|                                  | 2 | Mettler Toledo    | DL38/DL39                               |
| Micro digest                     | 2 | CEM               | Mars-5                                  |
| Micro furnace                    | 2 | CEM               | Mar7000                                 |
| Microscope                       | 1 | Nikon             | Eclipse E400                            |
|                                  | 1 | Finnigan          | Polaris (GCQ)                           |
| Mass Spectrometer (MS)           | 1 | Finnigan          | DECA (LCQ)                              |
|                                  | 1 | Applied Biosystem | API 3000                                |
| Nuclear Magnetic Resonance (NMR) | 1 | Bruker            | Bruker 400 NMR                          |
| Polarimeter                      | 2 | Horiba            | SEDA-300                                |
| Particle size analyzer           | 1 | Coulter           | LS23D/SVMP/DMP                          |
|                                  | 1 | Malvern           | Mastersizer 2000                        |
| Stability Chamber                | 2 | Giant Force       | GTH-072TP                               |
| TGA                              | 1 | TA Instrument     | 2950                                    |
|                                  | 1 | Mettler-Toledo    | SDTA851                                 |
| UV-Vis                           | 2 | Hewlett Packard   | HP8453E                                 |
| X-ray Powder Diffraction         | 1 | Scintag           | 00-AOC                                  |
| React IR 1000                    | 1 | ASI               |   |
| RC                               | 1 | HEL               | Similar Reaction Calorimetry            |
| PHI - TECII                      | 1 | HEL               | Adiabatic Calorimetry                   |
| pH meter                         | 1 | Mettler           | MP225                                   |
|                                  | 3 | Schott            | CG841                                   |
| Suntest                          | 1 | Atlas             | CPS+                                    |
| Endotoxin analyzer               | 2 | CAPE COD          | LAL-5000 Series 2/LAL-5000 Expansions B |
| Refractometer                    | 1 | ATAGO             | DRA1                                    |
| Liquid Particle Counting         | 1 | HIAC              | 9703                                    |

|                            |   |          |                         |
|----------------------------|---|----------|-------------------------|
| Air jet sieve              | 1 | HONOR    |                         |
| Conductivity meter         | 2 | WTW      | LF340                   |
| Laminar Flow               | 2 | Nuaire   | ClassII TypeA/B3        |
| LAL-5000                   | 2 | CAPE COD | Series 2                |
| Melting Point Apparatus    | 1 | Mettler  | FP90                    |
|                            | 1 | Buchi    | B-545                   |
| Particle counter           | 1 | PMS      | MiniLAZ310              |
| Air sampler                | 2 | Biotest  | High Flow Plus/RCS Plus |
| Total Organic Carbon (TOC) | 1 | Sievers  | TOC 800                 |