



Directory of Scientific Instruments

In

Sri Lanka

NA-208

Prepared by

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Preface

A Directory of Research Equipment available in research laboratories in Sri Lanka is a long felt need. This information is useful for research managers as well as for research sponsoring agencies who take informal decisions on allocation of scarce resources for R&D activities. Furthermore, it may provide an indication of the R&D capability of different research institutions and different sectors in terms of technology.

The present Directory is based on the NSF database on research equipment in Sri Lanka. The scope of the database is limited to items of equipment with purchase values higher than US \$ 1000 and less than 15 years old. However, it captures the main research equipment used in research laboratories in Sri Lanka. The data is presented in the form of a Directory which gives the basic information such as the name of the instrument, manufacturer and where the item is located. The information from engineering faculties were omitted in this Directory. Those information will be re-examined and published separately. Also, the common instruments such as balances, computers, printers etc were omitted in this Directory. The preliminary analysis of the database gives some useful indications on obsolescence, usage and technical capabilities of research laboratories, which provide useful pointers for policy makers and research managers. The significance of information on usage, age and role of donor agencies etc are being analysed and will be published as a technical paper.

The information in the directory is categorized under eleven functional classes formulated by the S&T Indicators Unit with the help of experts in the field. (Annex 1 - Basis for Classification) . Within each category, the current status of the instrument is also indicated. There have been many constraints in categorizing instruments. This is largely related to nomenclature. There has been a lack of uniformity in reporting instruments, where sometimes tagging the same instrument with different brand names, or as in other cases where the generic name of the instrument is prefixed with a functional abbreviation, had led to distortions. The S&T Indicators Unit has wherever possible tried to re-check these names with the institutions concerned and rectified errors. Although there may still be many misplacements, the Unit has made its best possible effort to provide the information as accurately as possible.

The S&T indicators Unit is not familiar with most of the names of manufacturers of the instruments. In the context of these limitations, the Unit has endeavoured to present the information on manufacturers of equipment in the best possible manner.

The S&T Indicators unit of NSF appreciates productive criticism on these attempts to develop, refine and make further inroads into the structure of S&T in Sri Lanka.

It is expected that a directory on technicians would be published from the data collected under a parallel survey. This data covered the information on technical capabilities among the technical staff in research institutes and universities in Sri Lanka, which will also be published soon. The integration of these two sets of information will provide very useful insights to identifying the technology capacities and gaps in research laboratories in Sri Lanka.

Finally, it was realized that understanding the nature of the work for which these instruments are used is a massive effort. The NSF expects to publish a separate document in the near future in which the utility, productivity and capacity utilisation of instruments will be critically analysed and reported.

Abbreviations

| | | |
|-------|---|---|
| AAS | - | Atomic Absorption Spectrometer |
| BOD | - | Biological Oxygen Demand |
| COD | - | Chemical Oxygen Demand |
| CRI | - | Coconut Research Institute |
| DEA | - | Department of Export Agriculture |
| DGPS | - | Differential Global Positioning System |
| DTA | - | Differential Thermal Analysis |
| EC | - | Electrical Conductivity |
| EPMA | - | Electron Probe Micro Analyser |
| GCMS | - | Gas Chromatograph Mass Spectrometer |
| FCRDI | - | Field Crop Research & Development Institute |
| FTIR | - | Fourier Transform Infra-red Spectrophotometer |
| HORDI | - | Horticulture Research & Development Institute |
| HPLC | - | High Pressure Liquid Chromatography |
| ICPS | - | Inductly coupled Plasma Spectrometer |
| IR | - | Infra Red |
| ITI | - | Industrial Technology Institute |
| MRI | - | Medical Research Institute |
| NA | - | Not Available |
| NARA | - | National Aquatic Resources Agency |
| NBRO | - | National Building Research Organization |
| NERD | - | National Engineering Research & Development Centre |
| NMR | - | Nuclear Magnetic Resonance |
| OU | - | Open University of Sri Lanka |
| PCR | - | Polymerase Chain Reaction |
| PGRC | - | Plant Genetic Resources Centre |
| RARDC | - | Regional Agricultural Research & Development Centre |
| RPRDC | - | Rice Processing Research & Development Centre |
| RRI | - | Rubber Research Institute |
| SRI | - | Sugarcane Research Institute |
| TRI | - | Tea Research Institute |
| UOC | - | University of Colombo |
| UOJ | - | University of Jaffna |
| UOK | - | University of Kelaniya |
| UOP | - | University of Peradeniya |
| UOR | - | University of Ruhuna |
| UOSJ | - | University of Sri Jayawardenapura |
| UV | - | Ultra Violet |
| VIS | - | Visual |
| VRI | - | Veterinary Research Institute |
| XRD | - | X - Ray Diffractometer |

DIRECTORY OF SCIENTIFIC INSTRUMENTS IN SRI LANKA

Data presentation format

| Instrument | Manufacturer/made | Institution | Department/division |
|------------|-------------------|-------------|---------------------|
|------------|-------------------|-------------|---------------------|

A. Equipment for sample preparation

Not functioning but can be repaired

| | | | |
|------------------|-------------------|-----|-------------------|
| Rotary Microtome | Astell Scientific | UOC | Forensic Medicine |
|------------------|-------------------|-----|-------------------|

Mal functioning but can be used

| | | | |
|------------------|--------|-----|-----------|
| Rotary Microtome | Yamato | VRI | Pathology |
|------------------|--------|-----|-----------|

Functioning

| | | | |
|--------------------|--------|-----|-----------|
| Freezing Microtome | Sakura | MRI | Pathology |
|--------------------|--------|-----|-----------|

| | | | |
|----------------------|-----------|-----|-------------------------------------|
| Ultra Microtome unit | Supernova | MRI | Electron Microscopy Unit microscopy |
|----------------------|-----------|-----|-------------------------------------|

| | | | |
|-----------|--------------|-----|-----------------|
| Microtome | SLEE Technic | DEA | Plant Pathology |
|-----------|--------------|-----|-----------------|

| | | | |
|-----------|--------|-----|---------|
| Microtome | Yamato | UOC | Zoology |
|-----------|--------|-----|---------|

| | | | |
|----------------------------|----------------|------|-----------------------|
| Microtome | Leica | UOK | Anatomy |
| Microtome | Bright | UOP | Animal Science |
| Rotary Microtome | Sakura | VRI | Pathology |
| Rotary Microtome | Biocut | UOK. | Zoology |
| Rotary Microtome | Bright | UOR | Pathology |
| Micro Hammer Mill | Janke & Kunkel | UOK. | Botany |
| Whirlimixer | Fision | UOP | Para Clinical Studies |
| Root Auger Set | N.A. | CRI | Agronomy |
| Tissue Processor | N.A. | VRI | Pathology |
| Tissue Processor | Sakura | UOK | Anatomy |
| Automatic Tissue Processor | N.A. | UOC | Zoology |

B. Mixing , Shaking, Blending and Separation Equipment

Not functioning but can be repaired

| | | | |
|-----------------------------|----------------|--------------------|----------------------------|
| Soxholet Apparatus | Gallenkamp | RPRDC | |
| Digestion Block | Tecator | CRI | Soil & Plant Nutrition |
| Ultra Centrifuge | N.A. | HORDI | Plant Pathology |
| Ultra Centrifuge | Beckman | MRI | Natural Products Chemistry |
| Centrifuge | MSE | VRI | Bacteriology |
| Centrifuge | IECCentra | RARDC -Bandarawela | |
| Centrifuge | MSE | UOP | Biochemistry |
| Centrifuge | Hettich | UOR | Agricultural Chemistry |
| Centrifuge | MSE | UOR | Botany |
| Cooling Centrifuge | Hennle | VRI | Animal Health |
| Refrigerated Centrifuge | N.A. | UOP | Animal Science |
| Microhaemotocnit Centrifuge | N.A. | UOR | Medicine |
| Bench Top Centrifuge | Kokusan | UOR | Pathology |
| Flask Shaker | N.A. | TRI | Plant Pathology |
| Stuart Flask shaker | N.A. | UOR | Botany |
| Plant Grinder | Gilson Company | HORDI | Chemistry |
| Fraction Collector | Bio Rad | UOP | Biochemistry |
| Densitometer | N.A. | UOR | Biochemistry |

| | | | |
|------------|--------|-----|-----------|
| Cold tome | Sakura | UOR | Pathology |
| Tread Mill | N.A. | UOR | Medicine |

Mal functioning but can be used

| | | | |
|------------------------------|--------------|------|------------------------------|
| Digestion Block | Gerhardt | CRI | Soil & Plant Nutrition |
| Laboratory Mortor Grinder | N.A. | RRI | Polymer Chemistry |
| Digitizer | Arsto Aesive | NARA | National Hydrographic Office |
| Centrifuge - Centra MP4R | In. Eq. Com. | UOJ | Biochemistry |
| Centrifuge - Sorvall RT.6000 | N.A. | UOP | Para Clinical Studies |
| Refrigerated Centrifuge | MSE | UOP | Microbiology |
| Fraction Collector | ISCO | UOP | Para Clinical Studies |
| Fraction Collector | Centraol | UOP | Para Clinical Studies |
| Centrifuge | Kokusan | SRI | Breeding |

Functioning

| | | | |
|---------------------------|-----------|-------|----------------------|
| Centrifuge | Remi | RPRDC | |
| Centrifuge | Eppendorf | VRI | Bacteriology |
| Centrifuge (Milk Testing) | N.A. | VRI | Animal Nutrition |
| Centrifuge | Beckman | CRI | Plant Tissue Culture |
| Centrifuge | Carlowitz | RRI | Plant Pathology |

| | | | |
|------------------------|------------|-------------------------|------------------------------|
| Centrifuge | Gallenkamp | TRI | Technology |
| Centrifuge | B&T | TRI | Plant Propagation & Breeding |
| Centrifuge | Hermle | TRI | Plant Propagation & Breeding |
| Centrifuge EBA 8 | Hettich | ITI | Agro & Food Technology |
| Centrifuge Lab fuge AC | N.A. | RARDC-Makandura | |
| Centrifuge | Hettich | RARDC -Bandarawela | |
| Centrifuge | Hettich | RARDC -Bandarawela | |
| Centrifuge | Sigma | RARDC-Angunakolapelessa | |
| Centrifuge - ALC 4222 | N.A. | RARDC-Aralaganwila | |
| Centrifuge | Hitachi | UOR | Parasitology |
| Centrifuge | Hitachi | UOR | Parasitology |
| Centrifuge | Tomy seiko | UOR | Biochemistry |
| Centrifuge | N.A. | UOR | Biochemistry |
| Centrifuge | N.A. | UOR | Botany |
| Centrifuge | Biofuge | UOR | Fish Biology |
| Centrifuge | Tomy Seiko | MRI | Biochemistry |
| Centrifuge - K.S. 8000 | Tomy Seiko | MRI | Biochemistry |
| Centrifuge | Kobota | MRI | Animal Centre |
| Centrifuge | N.A. | NARA | Aquaculture |
| Centrifuge | N.A. | RARDC-Aralaganwila | |

| | | | |
|----------------------------------|-------------------------|------------------|------------------------------------|
| Centrifuge | N.A. | RARDC -Bomбуwela | Agriculture Research Unit,Homagama |
| Centrifuge | Kokusai | UOC | Zoology |
| Centrifuge | Hitachi | UOC | Chemistry |
| Centrifuge | Hitachi | UOC | Chemistry |
| Centrifuge | Hettich | UOJ | Biochemistry |
| Centrifuge | Centra | UOK | Parasitology |
| Centrifuge | N.A. | UOK | Biochemistry |
| Centrifuge | Hettich | UOK | Zoology |
| Centrifuge | Siemens | UOK | Botany |
| Centrifuge | Hitachi | UOP | Animal Science |
| Centrifuge | Hitachi | UOP | Animal Science |
| Centrifuge Labfuge -15000 | N.A. | DEA | Soil Research Station |
| Centrifuge | International Equipment | UOP | Chemistry |
| Centrifuge | Centra | UOP | Zoology |
| Centrifuge | N.A. | UOP | Pre Clinical Studies |
| Centrifuge | Hettich | UOP | Para Clinical Studies |
| Centrifuge | N.A. | UOP | Animal Science |
| Bench Centrifuge - Auto MKIV-240 | N.A. | UOR | Medicine |
| Bench Top Centrifuge | Eppendorf | TRI | Biochemistry |
| Bench Top Centrifuge | Hennle | CRI | Plant Physiology |

| | | | |
|-----------------------------------|-----------|------|--------------------------------|
| Bench Top Centrifuge | Hitachi | MRI | Electron Microscopy Unit |
| Bench Top Centrifuge | N.A. | UOP | Para Clinical Studies |
| Bench Top Centrifuge | N.A. | UOR | Biochemistry |
| Bench Top Centrifuge | N.A. | UOR | Medicine |
| High Speed Centrifuge | Beckman | RRI | |
| High Speed Centrifuge | Beckman | UOC | Biochemistry |
| High Speed Centrifuge | N.A. | UOR | Medicine |
| High Speed Centrifuge | Sorvall | TRI | Biochemistry |
| High Speed Micro Centrifuge | Tomy | MRI | Molecular Biology |
| Low Speed Centrifuge | Tomy | MRI | Molecular Biology |
| Low Speed Refrigerator Centrifuge | N.A. | PGRC | Tissue Culture & Biotechnology |
| Micro centrifuge | Beckman | UOC | Microbiology |
| Micro centrifuge | Brinkmann | UOC | Biochemistry |
| Micro centrifuge | Heraeus | UOC | Biochemistry |
| Micro centrifuge | N.A. | NARA | Aquaculture |
| Micro centrifuge | Tomy | UOP | Biochemistry |
| Micro Haematocrit Centrifuge | N.A. | UOP | Para Clinical Studies |
| Micro Haematocrit Centrifuge | Kobota | MRI | Animal Centre |
| Microfuge | Sigma | CRI | Genetics & Plant Breeding |
| Microfuge | Kobota | UOSJ | Biochemistry |
| Microfuge | Kobota | UOSJ | Biochemistry |

| | | | |
|-----------------------------|-------------|------------------|---------------------------------------|
| Mini centrifuge | Cole Palmer | UOP | Biochemistry |
| Precision Centrifuge | Eppendorf | MRI | Electron Microscopy Unit |
| Refrigerated Centrifuge | Sangyo | UOK | Botany |
| Refrigerated Centrifuge | Tomy | MRI | Rabies Diagnosis & Vaccine Production |
| Refrigerated Centrifuge | Tomy | MRI | Rabies Diagnosis & Vaccine Production |
| Refrigerated Centrifuge | Tomy | MRI | Rabies Diagnosis & Vaccine Production |
| Refrigerated Centrifuge | MSE | UOK | Microbiology |
| Ultra Centrifuge | Beckman | UOC | Biochemistry |
| Ultra Centrifuge | Beckman | VRI | Animal Health |
| Ultra Centrifuge | Dupont | DEA | Plant Pathology |
| Ultra Centrifuge | N.A. | RARDC -Bomбуwela | Agriculture Research Unit,Homagama |
| Digestion Block | N.A. | VRI | Animal Nutrition |
| Digestion Block | Gerhardt | CRI | Agronomy |
| Digestion System | Tecator | VRI | Animal Nutrition |
| Digestion system | Tecator | VRI | Animal Nutrition |
| Rapid Digestor | VWR | RRI | Plant Pathology |
| Kejeldhal Digestor Block | Tecator | HORDI | Chemistry |
| Disintegrator | MSE | VRI | Bacteriology |
| Soxtech Fat Extraction Unit | Tecator | VRI | Animal Nutrition |
| Orbital Shaker | IKA | VRI | Animal Health |
| Sieve Shaker | Endecotts | TRI | Technology |

| | | | |
|--------------------------|-----------------------------|-------------------------|--------------------------------|
| Ro-Tap Seive Shaker | Tyler | ITI | Process & Plant Engineering |
| Shaker | Taitec | UOC | Chemistry |
| Shaker | New Brunswick | UOK | Microbiology |
| Shaker | Gertardf | UOR | Botany |
| Shaker | Gallenkamp | HORDI | Plant Pathology |
| Rotary Shaker | Remi International | HORDI | Tissue Culture |
| Rotary Shaker | N.A. | PGRC | Tissue Culture & Biotechnology |
| Orbital Shaker | Thermolyne | RARDC -Bandarawela | |
| Flask Shaker | GFL | RARDC-Angunakolapelessa | |
| Flask Shaker | Labline | RARDC-Angunakolapelessa | |
| Orbital Shaker | Lab Line Manufacturing Inc. | UOC | Biochemistry |
| Sieve Shaker | Fisher Scientific | UOR | Agricultural Engineering |
| Vibratory Sieve Shaker | Carlowitz | UOK | Botany |
| Lab paddle Blender | Seward | VRI | Animal Health |
| Homoginizer | IKA | VRI | Animal Health |
| Homoginizer | B. Braun | VRI | Animal Health |
| Homognizer | N.A. | UOC | Chemistry |
| Homoginizer | Nihon | UOP | Animal Science |
| Homoginizer | Nihon seiki | UOP | Animal Science' |
| Homoginizer | Potters | UOP | Biochemistry |
| Ultra Purrax Homogenizer | Janke | UOK | Zoology |

| | | | |
|---------------------------|----------------------|--------------------|------------------------------|
| Function Generator | N.A. | TRI | Technology |
| Digitizer | N.A. | NARA | National Hydrographic Office |
| Soxtec System | Tecator | ITI | Agro & Food Technology |
| Universal Mixer | Stepham | ITI | Process & Plant Engineering |
| Ribbon Mixer | Gardner | ITI | Process & Plant Engineering |
| Feed Mixer | Everwell | UOP | Animal Science |
| Liquid / Liquid Extractor | Fisher Scientific | ITI | Process & Plant Engineering |
| Filter Press | Heiko Seisakusho | ITI | Process & Plant Engineering |
| Heavy Duty Stirrer | Stober | ITI | Process & Plant Engineering |
| Cross Flow Cell | Nitto Denko | ITI | Agro & Food Technology |
| Batch Cell | Nitto Denko | ITI | Agro & Food Technology |
| Extruder | Berstorff | ITI | Process & Plant Engineering |
| Leaf Roller | N.A. | RARDC-Aralaganwila | |
| Sequencing System | Laboratory Design AG | UOC | Biochemistry |
| Synthesizer | Beckman | UOC | Biochemistry |
| Bowl Chopper | Hanaki | UOP | Animal Science |
| Fraction Collector | Cole Palmer | UOP | Biochemistry |
| Fraction Collector | Pharmacia | UOP | Biochemistry |
| Densitometer | E.C. | UOP | Biochemistry |
| Densitometer | E.C. | UOP | Biochemistry |
| Densitometer | N.A. | UOR | Medicine |

| | | | |
|--|---------------------|--------------------------------|------------------------------|
| Milipore Filter Unit and Peristaltic Pump | N.A. | UOP | Para Clinical Studies |
| Fraction Collector | N.A. | UOR | Botany |
| Sample Mill | Mitamura | UOP | Animal Science |
| Laboratory Mill | Glen Creston | RARDC-Angunakolapelessa | |
| Tread Mill | PAB Exports | UOP | Physiology |

C. Drying, Cooling , Heat transfer equipment and Sample Preservation

Not functioning but can be repaired

| | | | |
|---------------------------------|-------------------|-------|---|
| Autoclave | Astell Scientific | DEA | Plant Pathology |
| Autoclave | B&T | UOR | Botany |
| Ballistic Bomb Calorimeter | N.A. | UOP | Animal Science |
| Bomb Calorimeter | N.A. | UOR | Chemistry |
| Box Furnace | Gallenkamp | UOR | Botany |
| Centrifuged Freeze Dryer | Edwards | UOP | Microbiology |
| Constant Temperature Oven | Yamato | UOR | Anatomy |
| Constant Temperature Water Bath | Yamato | UOR | Botany |
| Deep Freezer | N.A. | HORDI | Plant pathology |
| Distillation Unit | Jencons | TRI | Plant Propagation & Breeding |
| Distilled Water Apparatus | Manesty | RPRDC | |
| Electric Oven | Memmert | RRI | Raw Rubber Process Development & Chemical Engineering |
| Electric Oven | VWR | TRI | Plant Propagation & Breeding |
| Freeze Dryer | Edwards | CRI | Genetics & Plant Breeding |
| Freeze Dryer | Edwards | VRI | Vaccine Production |
| Freeze Dryer | N.A. | HORDI | Plant Pathology |

| | | | |
|-------------------------------|------------|-------|---|
| Hot Air Oven | N.A. | MRI | Pharmacology |
| Ice Maker | N.A. | HORDI | Plant Pathology |
| Medical Deep Freezer | Sanyo | UOR | Anatomy |
| Micro Kjeldhal Apparatus | Gallenkamp | RPRDC | |
| Moisture Conditioning Oven | LEEC | NBRO | Building Material Division |
| Oven | N.A. | RRI | Raw Rubber Process Development & Chemical Engineering |
| Pressure Plate Apparatus | N.A. | TRI | Agronomy |
| Ultra Low Temperature Freezer | Sanyo | MRI | Rabies Diagnosis & Vaccine Production |
| Ultra Low Temperature Freezer | Sanyo | MRI | Rabies Diagnosis & Vaccine Production |

Mal functioning but can be used

| | | | |
|--------------------------------|------------|--------------------|---------------------------------------|
| Autoclave | Gallenkamp | RARDC -Bandarawela | |
| Biopure Distilled Water Centre | Barnstead | MRI | Rabies Diagnosis & Vaccine Production |
| Deep Freezer | Sanyo | MRI | Microbiology |
| Deep Freezer | Sanyo | UOR | Pathology |
| Digital Thermometer | Fluke | RPRDC | |
| Distilled Water Plant | N.A. | UOR | Biochemistry |
| Distilling Apparatus | N.A. | UOR | Medicine |
| Hot Box Oven | Gallenkamp | RARDC-Aralaganwila | |
| Kjedhal Unit | Gerhardt | TRI | Agronomy |

| | | | |
|------------------|---------|------------------|---------------------------|
| Oven | Commert | DEA | Cinnamon Research Station |
| Rotor evaporator | N.A. | OUSL | Chemistry |
| Sterilizer Oven | N.A. | RARDC -Bomбуwela | Plant Pathology |
| Universal Oven | Memmert | RRI | Polymer Chemistry |

Functioning

| | | | |
|-----------|--------------------|-------------------------|----------------------------|
| Air Dryer | F.C | MRI | Electron Microscopy Unit |
| Autoclave | Naplo | RARDC-Aralaganwila | |
| Autoclave | ALP Co. Ltd | CRI | Crop Protection |
| Autoclave | Arnolds & Sons | UOR | Botany |
| Autoclave | Astell Scientific | UOR | Agricultural Biology |
| Autoclave | Astell Scientific | RARDC-Angunakolapelessa | |
| Autoclave | Astell Scientific | UOC | Microbiology |
| Autoclave | Astell Scientific | UOK | Microbiology |
| Autoclave | Astell Scientific | UOR | Agricultural Biology |
| Autoclave | Dent & Hellyer | RRI | Plant Science |
| Autoclave | ELE | NBRO | Building Material Division |
| Autoclave | Hirayama MFG Corp. | VRI | Bacteriology |
| Autoclave | Hirayama | UOK | Parasitology |

| | | | |
|---------------------------|----------------|--------------------|--|
| Autoclave | N.A. | PGRC | Tissue Culture & Biotechnology |
| Autoclave | N.A. | RARDC -Bomбуwela | Agriculture Research Unit,Homagama |
| Autoclave | N.A. | RRDI | Plant protection |
| Autoclave | N.A. | TRI | Plant Pathology |
| Autoclave | N.A. | UOC | Zoology |
| Autoclave | N.A. | VRI | Bacteriology |
| Autoclave | Rodwell Gemini | RARDC -Bandarawela | |
| Autoclave | Rodwell Gemini | RARDC -Bandarawela | |
| Autoclave | Sakura | MRI | Animal Centre |
| Autoclave | Sakura | MRI | Microbiology |
| Autoclave | Sakura | MRI | Natural Products Chemistry |
| Autoclave | Sanyo | RARDC -Bandarawela | |
| Autoclave | Satura | ITI | Agro & Food Technology |
| Autoclave | Tomy | CRI | Plant Tissue Culture |
| Autoclave | Wisconsin | TRI | Entomology |
| Autoclave | Yamato | UOR | Parasitology |
| Autoclaves | N.A. | HORDI | Plant Pathology |
| Bakery Oven | LBG | RPRDC | |
| Bi-Distillation Apparatus | Carlowitz | UOK | Botany |
| Boiler | Bradlee | ITI | Process & Plant Engineering |
| Bomb Calorimeter | Advance | NERD | Agricultural Engineering & Post Harvest Technology |

| | | | |
|---------------------------------|-------------------|-----|---|
| Calibration Furnace | Hart Scientific | ITI | Calibration & Measurement unit |
| Chest Freezer | West Baynon | VRI | Bacteriology |
| Circulating Water Bath | Advantec | UOC | Zoology |
| Critical Point Drying Apparatus | Bio Rad | MRI | Electron Microscopy Unit |
| Deep Freezer | Denley | MRI | Microbiology |
| Deep Freezer | Frigidaire | TRI | Biochemistry |
| Deep Freezer | Frigidare | UOC | Physiology |
| Deep Freezer | Kelvinator | RRI | Raw Rubber Process Development & Chemical Engineering |
| Deep Freezer | N.A. | UOR | Medicine |
| Deep Freezer | Revco | UOC | Microbiology |
| Deep Freezer | Sanyo | MRI | Microbiology |
| Deep Freezer | Sanyo | MRI | Rabies Diagnosis & Vaccine Production |
| Deep Freezer | Sanyo | UOR | Parasitology |
| Distillation Unit | Barmter | TRI | Plant Pathology |
| Distillation Unit Milli - Ro | N.A. | UOC | Biochemistry |
| Distillation Unit | Wertheim | ITI | Process & Plant Engineering |
| Distilled Water Apparatus | Barnstead | MRI | Electron Microscopy Unit |
| Distilled Water Plant | Aquatron | ITI | Agro & Food Technology |
| DNA Thermal Cycler | Perkin Elmer | UOC | Biochemistry |
| Double Distillation Apparatus | Astell Scientific | UOR | Agricultural Biology |

| | | | |
|-------------------------------|-------------------|--------------------|--|
| Double Distillation Apparatus | Astell Scientific | UOR | Agricultural Biology |
| Dry Oven | Memmert | VRI | Animal Breeding |
| Dryer | Jermats | UOR | Agricultural Chemistry |
| Drying Oven | Sanyo Gallenkamp | RARDC -Bandarawela | |
| Drying Oven | Yamato | PGRC | Gene Bank Division |
| Electric Drying Oven | Advantec | MRI | Electron Microscopy Unit |
| Electric Oven | Heraeus | NERD | Agricultural Engineering & Post Harvest Technology |
| Electric Oven | Memmert | ITI | Agro & Food Technology |
| Electronic Microscope Oven | DSK | MRI | Electron Microscopy Unit |
| Fluid Bed Dryer | Burcard | CRI | Genetics & Plant Breeding |
| Fluid Bed Dryer | Burcard | CRI | Genetics & Plant Breeding |
| Forced Convection Oven | Advance | MRI | Molecular Biology |
| Freeze Dryer | N.A. | CRI | Coconut Processing Research |
| Freeze Dryer Bench | Labconco | UOP | Para Clinical Studies |
| Freeze Dryer | Christ | ITI | Agro & Food Technology |
| Freeze Dryer | Edwards | UOK | Microbiology |
| Freeze Dryer | Edwards | UOP | Chemistry |
| Freeze Dryer | Edwards | VRI | Animal Health |
| Freeze Dryer | Eyela | MRI | Natural Products Chemistry |
| Freeze Dryer | Labconco | UOC | Biochemistry |
| Freeze Dryer | Latent life | UOC | Chemistry |

| | | | |
|--------------------------|-----------------|-------------------------|--|
| Freeze Dryer | N.A. | TRI | Biochemistry |
| Freeze Dryer | N.A. | UOR | Chemistry |
| Freezer | Indesit | VRI | Bacteriology |
| Freezer | N.A. | NARA | Aquaculture |
| Freezer | N.A. | RARDC -Bomбуwela | Agriculture Research Unit,Homagama |
| Freezer | Sanyo | UOC | Chemistry |
| Freezer | Sanyo | UOC | Zoology |
| Furnace | Carbolite | NERD | Agricultural Engineering & Post Harvest Technology |
| Furnace | Carbolite | DEA | Soil Research Station |
| Furnace | Carbolite | RARDC-Angunakolapelessa | |
| Furnace | N.A. | UOP | Physics |
| Gas Calorimeter | Toshnival | NERD | Agricultural Engineering & Post Harvest Technology |
| Gel Drier | N.A. | UOR | Botany |
| Gells Slab Dryer | Bio-Red | UOC | Biochemistry |
| Heating units | Electro thermal | DEA | Cinnamon Research Station |
| Hot Air Oven | Memmert | UOC | Microbiology |
| Hot Air Oven | Memmert | UOK | Biochemistry |
| Hot Plate with Regulator | COPE | RPRDC | |
| Hot box Oven | Gallenkamp | UOR | Botany |
| Hotplate | Analgesia | UOC | Zoology |

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|--------------------------------------|----------------|-------------------------|---------------------------------------|
| Hybridization Oven | Shell Lab | UOR | Botany |
| Infra Red Thermometer | HORIBA | TRI | Physiology |
| Kjeldaterm Digestion Systems | Gerhardt | DEA | Soil Research Station |
| Kjeldhal Apparatus | Gallenkamp | UOR | Botany |
| Kjeldhal Apparatus | Tecator | UOP | Animal Science |
| Lab Freezer | Bostid | UOP | Zoology |
| Laboratory Furnace | Lenton Thermal | UOK | Botany |
| Laboratory Oven | Imperial | RARDC-Angunakolapelessa | |
| Laboratory Oven | Memmert | RARDC-Angunakolapelessa | |
| Laboratory Oven | N.A. | CRI | Plant Tissue Culture |
| Liquid Nitrogen Culture Preservative | Thermolyne | VRI | Animal Health |
| Low Humidity & Temperature Chamber | Espectabat | PGRC | Gene bank Division |
| Low Temperature Water Bath | N.A. | UOR | Chemistry |
| Magnetic Stirrer with Hot Plate | N.A. | PGRC | Tissue Culture & Biotechnology |
| Medical & Pharmacy Refrigerator | N.A. | PGRC | Tissue Culture & Biotechnology |
| Medical Freezer | Sanyo | MRI | Molecular Biology |
| Microkjeldhal Unit | N.A. | FCRDI | |
| Muffle Furnace | Lindberg | HORDI | Chemistry |
| Muffle Furnace | Carbolite | VRI | Animal Nutrition |
| Muffle Furnace | Isuzu | MRI | Rabies Diagnosis & Vaccine Production |
| Muffle Furnace | N.A. | RARDC-Aralaganwila | |

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|------------------|------------|--------------------|--------------------------------|
| Muffle Furnace | N.A. | UOSJ | Biochemistry |
| Muffle Furnace | N.A. | UOSJ | Biochemistry |
| Muffle Furnace | N.A. | VRI | Animal Nutrition |
| Muffle Furnace | N.A. | VRI | Animal Nutrition |
| Muffle Furnace | Nabertherm | ITI | Agro & Food Technology |
| Muffle Furnace | Yamato | UOR | Botany |
| Oven Model DN-63 | N.A. | PGRC | Tissue Culture & Biotechnology |
| Oven | B&T | TRI | Plant Propagation & Breeding |
| Oven | Binder | RARDC-Aralaganwila | |
| Oven | BTL | TRI | Technology |
| Oven | Gallenkamp | RARDC -Bomбуwela | Root & Tuber Crops |
| Oven | Groydon | TRI | Technology |
| Oven | Hot air | UOR | Parasitology |
| Oven | Imperial | HORDI | Chemistry |
| Oven | Imperial | HORDI | Tissue Culture |
| Oven | Imperial | RARDC -Bandarawela | |
| Oven | Imperial | RARDC-Aralaganwila | |
| Oven | Isotemp | RARDC -Bandarawela | |
| Oven | Jaun | RARDC-Aralaganwila | |
| Oven | Jovan | TRI | Plant Propagation & Breeding |
| Oven | LTE | TRI | Plant Propagation & Breeding |
| Oven | Ltemedgol | RARDC-Aralaganwila | |

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|---------------------------|--------------------|--------------------------|------------------------------------|
| Oven | Memmert | RARDC-Aralaganwila | |
| Oven | N.A. | RARDC-Aralaganwila | |
| Oven | N.A. | RRDI | Plant protection |
| Oven | RKJ | MRI | Microbiology |
| Oven | Thelco | TRI | Plant Propagation & Breeding |
| Oven | Universal | UOK | Botany |
| Oven | Yamato | UOC | Zoology |
| Oven | Yamato | UOR | Pathology |
| Ovens | Gallenkamp | HORDI | Plant pathology |
| PCR Thermocycler | N.A. | RARDC -Bomбуwela | Agriculture Research Unit,Homagama |
| PCR Thermocycler | Thehne | SRI | Breeding |
| Peristaltic Dispencer | N.A. | TRI | Plant Pathology |
| Photomicrograph Equipment | Olympus | UOP | Zoology |
| Plate Heater Exchanger | N.A. | ITI | Process & Plant Engineering |
| Portable Autoclave | Jencons Scientific | UOK | Botany |
| Pressure Bomb | N.A. | CRI | Plant Physiology |
| Pressure Plate Apparatus | Ejkelkamp | RARDC -Angunakolapalassa | |
| Pressure Plate Apparatus | Gallencamp | CRI | Soil & Plant Nutrition |
| Pressure Plate Apparatus | SMI Co | RRI | Soil & Plant Nutrition |
| Primary Freeze Dryer | Edwards | VRI | Vaccine Production |
| Refrigerator | N.A. | PGRC | Evaluation & Multiplication |

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|--------------------------------|---------|--------------------|-----------------------------|
| Refrigerator | N.A. | PGRC | Evaluation & Multiplication |
| Refrigerator | Sanyo | RARDC -Bandarawela | |
| Refrigerator | Sanyo | RARDC -Bandarawela | |
| Refrigerator | Sanyo | TRI | Entomology |
| Refrigerator | N.A. | HORDI | Plant Pathology |
| Rotary Evaporator | Buchi | UOC | Chemistry |
| Rotary Evaporator | Buchi | UOP | Chemistry |
| Rotary Evaporator | N.A. | HORDI | |
| Rotary Evaporator | N.A. | UOSJ | Biochemistry |
| Rotary Evaporator | N.A. | UOSJ | Biochemistry |
| Rotary Vacuum Evaporator | Eyela | MRI | Natural Products Chemistry |
| Rotavapour | Buchi | ITI | Agro & Food Technology |
| Rotavapour | Buchi | ITI | Process & Plant Engineering |
| Secondary Freeze Dryer | Edwards | VRI | Vaccine Production |
| Shaking Water Bath | N.A. | UOJ | Biochemistry |
| Shaking Water Bath | Grant | VRI | Animal Health |
| Shaking Water Bath | N.A. | UOR | Biochemistry |
| Shaking Water Bath | N.A. | UOSJ | Biochemistry |
| Shaking Water Bath | N.A. | UOSJ | Biochemistry |
| Speed Vac Concentration system | Tectum | UOC | Biochemistry |
| Speed Vac | Tectum | UOC | Biochemistry |

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|--|--------------------|-------------------------|---------------------------------------|
| Spray Dryer | Lab plant | ITI | Agro & Food Technology |
| Standard Platinum Resistance Thermometer | Rossmou | ITI | Calibration & Measurement unit |
| Sterilizing Oven | Astell Scientific | UOK | Microbiology |
| Thermal Cycler | Hybaid | VRI | Animal Health |
| Thermal Cycler | Iwaki | MRI | Molecular Biology |
| Tray Drier | Primier Engineeres | ITI | Process & Plant Engineering |
| Ultra Low Temperature Freezer | Gallenkamp | UOC | Biochemistry |
| Ultra Low Temperature Freezer | Sanyo | MRI | Rabies Diagnosis & Vaccine Production |
| Universal Oven | Memmert | ITI | Process & Plant Engineering |
| Upright Freezer | Camlab Ltd. | UOK | Botany |
| Vacuum Evaporator | Jeol | MRI | Electron Microscopy Unit |
| Vacuum Oven | Astell Scientific | UOK. | Botany |
| Vacuum Oven | Ehret | ITI | Process & Plant Engineering |
| Vacuum Oven | N.A. | UOC | Chemistry |
| Vacuum Oven | N.A. | VRI | Animal Nutrition |
| Vacuum Packing Unit | Audionvac | ITI | Agro & Food Technology |
| Water Bath | Advantec | MRI | Bacteriology |
| Water Bath | AFL | UOR | Botany |
| Water Bath | Jouan | UOR | Botany |
| Water Bath | JP Selector | UOK | Biochemistry |
| Water Bath | Mammert | RARDC-Angunakolapelessa | |

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|------------------------|---------------|--------------------|-------------------------------------|
| Water Bath | Memmert | CRI | Genetics & Plant Breeding |
| Water Bath | Memmert | RARDC -Bandarawela | |
| Water Bath | Memmert | RARDC -Bandarawela | |
| Water Bath | Memmert | TRI | Biochemistry |
| Water Bath | Memmert | UOC | Microbiology |
| Water Bath | Memmert | UOC | Physiology |
| Water Bath | N.A. | PGRC | Tissue Culture & Biotechnology |
| Water Bath | N.A. | RARDC -Bomuwela | Agriculture Research Unit, Homagama |
| Water bath | New Brunswick | UOK | Microbiology |
| Water Bath | Unitemb | UOP | Para Clinical Studies |
| Water Bath(Incubating) | N.A. | UOR | Medicine |
| Wiped Film Evaporator | Alval | ITI | Process & Plant Engineering |

Cannot be repaired

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| Autoclave | Pisces Instruments | DEA | Plant Pathology |
| Oven | Gallenkamp | RARDC-Aralaganwila | |

D. Quantitative measures and quality testing equipment

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| <i>Not functioning but can be repaired</i> |
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|------------------------------|-----------|------|-----------------------------|
| De-ionized Water Plant | Nanopure | UOP | Zoology |
| Direct Reading Micro Balance | Libror | UOR | Botany |
| Electronic Balance | N.A. | UOR | Pathology |
| Leaf Area Meter | N.A. | PGRC | Evaluation & Multiplication |
| Neutron Moisture Meter | CPN | TRI | Agronomy |
| Particle Counter | Erma | UOR | Pathology |
| Palm Meter | N.A. | PGRC | Evaluation & Multiplication |
| Soil Parameter | Ejkelkamp | TRI | Agronomy |

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| <i>Mal functioning but can be used</i> |
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|---------------------------|-------------|--------------------|--------------------------------|
| Automatic Porometer | N.A. | UOP | Agricultural Engineering |
| Micro Plate Reader | Bio Tech | RARDC -Bandarawela | |
| Moisture Meter | N.A. | RARDC -Bombuwela | Rice Breeding |
| Universal Testing Machine | Avery | NBRO | Building Material Division |
| Versa Tester | Soiltest | NBRO | Building Material Division |
| Viscometer | Brook Field | RRI | Raw Rubber & Chemical Analysis |
| Viscometer | Mooney | RRI | Raw Rubber & Chemical Analysis |

Functioning

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|-------------------------|-------------------|------------------|---------------------------------|
| Abrasion Tester | Hampden | RRI | Rubber Technology & Development |
| Adjustable Micropipde | Gilson | UOP | Pre Clinical Studies |
| Board Master | ABI | ITI | Electro Technology Unit |
| Brix Meter | N.A. | SRI | Chemistry |
| Calibrator | Rotec Instruments | ITI | Calibration & Measurement unit |
| Ceptometer | Delta | RRI | Plant Science |
| Chlorophyll Meter | N.A. | PGRC | Evaluation & Multiplication |
| Colony Counter | N.A. | TRI | Plant Pathology |
| Colony Counter | Quebec | RRI | Plant Pathology |
| Conductivity Meter | N.A. | RARDC -Bomбуwela | Rice Breeding |
| Conductivity Meter | WTW | ITI | Agro & Food Technology |
| Cyroscope (milk) | N.A. | VRI | Animal Nutrition |
| Culture Counter | Multisizer | UOC | Zoology |
| Current meter | N.A. | NARA | Oceanography |
| Cyclic Voltametry Setup | N.A. | UOP | Physics |
| Densitometer | Advantec | UOSJ | Biochemistry |
| Densitometer | Wallece | RRI | Rubber Technology & Development |
| Digital Hygrometer | N.A. | PGRC | Evaluation & Multifification |

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|------------------------|--------------|--------------------|---|
| Digital Salino meter | N.A. | NARA | Oceanography |
| Dissolved Oxygen Meter | Hach | UOK | Zoology |
| Dissolved Oxygen Meter | Jenway | RRI | Raw Rubber Process Development & Chemical Engineering |
| Electroencephalogram | Nihon Kohden | UOR | Physiology |
| Electromyograph | Nihon Kohden | UOR | Physiology |
| Electronic Balance | A&D Company | DEA | Cinnamon Research Station |
| Electronic Balance | Oertling | ITI | Process & Plant Engineering |
| Electronic Balance | Precisa | RARDC-Aralaganwila | |
| Electronic Balance | CHYO | UOSJ | Biochemistry |
| Electronic Balance | Glaswerk | UOK | Botany |
| Electronic Balance | Libror | UOC | Zoology |
| Electronic Balance | Mettler | UOR | Botany |
| Electronic Balance | Precisa | RPRDC | |
| Electronic Balance | Sartorius | UOSJ | Biochemistry |
| Electronic Balance | Satorias | UOK | Biochemistry |
| Electronic Balance | Stanton | UOK | Microbiology |
| Fibertec System | Tecator | VRI | Animal Nutrition |
| Fibretec Unit | Tecator | UOP | Animal Science |
| Firmness Tester | Labsco | ITI | Agro & Food Technology |
| Four Terminal Bridge | Cropio | ITI | Calibration & Measurement unit |

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|---------------------------------|----------------|-------------------------|---------------------------------|
| Gas Meter | Elster | ITI | Process & Plant Engineering |
| Gauge Block Set | Mututoyo | ITI | Calibration & Measurement unit |
| Gauss Meter | Denshi Ind. Co | NERD | Electrical & Electronic |
| Grain Counter | N.A. | PGRC | Gene Bank Division |
| Grain Moisture Meter | N.A. | PGRC | Evaluation & Multiplication |
| Haemocytometer | Kayagaki | UOP | Animal Science |
| Hardness Tester | Shore | RRI | Rubber Technology & Development |
| Hardness Tester | Wallace | RRI | Rubber Technology & Development |
| Hematocrit | Kokusan | UOP | Animal Science |
| High Purity Germanium Detector | Canberra | UOC | Physics |
| High Temp Creep Testing Machine | N.A. | UOP | Physics |
| Hydroprobe | CPN | SRI | |
| Infiltration Meter | Ejkelkamp | RRI | Soil & Plant Nutrition |
| Ion Meter | Orion | UOP | Biochemistry |
| Ion Selective Meter | N.A. | UOR | Chemistry |
| Iso electric Focusing Machine | Pharmacia | UOR | Botany |
| Leaf Area Meter | Delta T Device | RARDC-Aralaganwila | |
| Leaf Area Meter | Delta T | RRDI | Plant protection |
| Leaf Area Meter | Delta T | RRI | Plant Pathology |
| Leaf Area Meter | DIC | RARDC-Angunakolapelessa | |

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|--|------------------------|-------|-----------------------------------|
| Leaf Area Meter | Licon | TRI | Agronomy |
| Leaf Area Meter | Licor | RRI | Plant Science |
| Leaf Area Meter | Licor | RRI | Soils & Plant Nutrition |
| Leaf Area Meter | N.A. | HORDI | Roots, tuber crops & Floriculture |
| Leaf Chamber | Analytical Development | UOK | Botany |
| Light Measuring Unit | N.A. | TRI | Entomology |
| Micro Pipette | N.A. | UOK | Biochemistry |
| Microplate Reader | Bio Tech | UOC | Biochemistry |
| Microplate Reader | N.A. | UOR | Parasitology |
| Milli-Ro & Milli-Q Water Purification System | N.A. | CRI | Plant Physiology |
| Moisture Meter | Kappa | TRI | Technology |
| MST Tester | N.A. | RRI | Raw Rubber & Chemical Analysis |
| Multichannel Pipette | N.A. | UOP | Pre Clinical Studies |
| Nanopure/ Ultrapure Water System | Barnstead | UOR | Botany |
| Oscilloscopes | N.A. | UOC | Zoology |
| PCR Machine | N.A. | NARA | Aquaculture |
| Phase Contrast Attachment | Olympus | UOK | Botany |
| Photosynthesis Meter | N.A. | RRDI | Plant protection |
| Platelet Aggregator | NKK | MRI | Pathology |
| Polarograph | Yanaco | UOC | Chemistry |
| Polarometer | Lovibond | ITI | Agro & Food Technology |

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|---------------------------------|-------------|-------|-----------------------------------|
| Porometer | N.A. | SRI | Chemistry |
| Porometer | Licon | TRI | Agronomy |
| Porometer | Licor | RRI | Soils & Plant Nutrition |
| Portable Leaf Area Meter | N.A. | HORDI | Roots, tuber crops & Floriculture |
| Pressure Gauge Calibrator | Ametek | ITI | Process & Plant Engineering |
| Quantum Sensor | Li-Cor Ltd. | UOK | Botany |
| RCL Bridge | N.A. | TRI | Technology |
| Rheometer | Alpha | RRI | Rubber Technology & Development |
| Sand Box Apparatus | Eijkelkamp | FCRDI | |
| Sand/Kaoline Box Apparatus | Eyelkamp | FCRDI | |
| Set of E2 & F1 Weights | Kern | ITI | Calibration & Measurement unit |
| Sputter coater (High Vacuum) | Wdwards | UOR | Chemistry |
| Steady State Porometer | Licor | CRI | Plant Physiology |
| Tenderometer | Instron | UOP | Animal Science |
| Tenderometer | N.A. | UOP | Animal Science |
| Tensile Tester | Homsfield | RRI | Rubber Technology & Development |
| Thickness Gauge | Wallace | RRI | Rubber Technology & Development |
| Tide gauge | N.A. | NARA | Oceanography |
| Tonometer | Lovibond | ITI | Agro & Food Technology |
| Ultra Pure Water System | Elga | UOC | Biochemistry |
| Water Activity Measuring System | Rotronic AG | TRI | Technology |

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|---------------------------|---------------------|-------------------------|---------------------------|
| Water Purifying System | Banstead Thermolyne | UOP | Animal Science |
| Water Quality Checker | Yagami | UOK | Zoology |
| Water Quality Lab. System | Hach | RRI | Biochemistry & Physiology |
| Water Quality Test Unit | HACH | UOP | Animal Science |
| Water Still | Bahna | RARDC-Angunakolapelessa | |
| Water Still | Fisons Scientific | UOP | Animal Science |
| Water Still | N.A. | UOK | Biochemistry |
| Whitenes Meter | Kett | RPRDC | |

Cannot be repaired

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|--------------|--------|-----|-----------------------------|
| CO Monitor | Land | ITI | Process & Plant Engineering |
| Densitometer | Jookoo | MRI | Biochemistry |
| Densitometer | Jookoo | UOR | Biochemistry |

E. Optical Measuring Instruments

Not functioning but can be repaired

| | | | |
|-------------------------------------|-----------------|-------|---------------------------------------|
| Atomic Absorption Spectrophotometer | N.A. | FCRDI | |
| Atomic Absorption Spectrophotometer | N.A. | HORDI | |
| Colorimeter | Gallenkamp | UOR | Botany |
| Flame Photometer | N.A. | MRI | Biochemistry |
| Flame Photometer | | MRI | Biochemistry |
| Flame Photometer | N.A. | MRI | Biochemistry |
| Flame Photometer | N.A. | NARA | Environmental Studies |
| Flame Photometer | N.A. | UOR | Medicine |
| Fluorescence Microscope | Olympus | MRI | Rabies Diagnosis & Vaccine Production |
| IR Spectrophotometer | Buck Scientific | OUSL | Chemistry |
| IR Spectrophotometer | N.A. | UOR | Chemistry |
| Microscope - Florescent | Nikon | UOR | Parasitology |
| Microscope - Flurescent | Nikon | UOR | Parasitology |
| Microscope | Nikon | TRI | Entomology |
| Microscope | Sanyo | MRI | Rabies Diagnosis & Vaccine Production |
| Microscope | Sanyo | MRI | Rabies Diagnosis & Vaccine Production |

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|--------------------------|------------|-------|-----------------|
| Microscope | N.A. | HORDI | Plant Pathology |
| Optical Absorption Setup | N.A. | UOP | Physics |
| Photo Microscope | N.A. | HORDI | Plant Pathology |
| Spectrofluorophotometer | Shimadzu | MRI | Biochemistry |
| Spectrophotometer | Corning | TRI | Agronomy |
| Spectrophotometer | Milton Roy | UOP | Geology |
| Spectrophotometer | N.A. | HORDI | Plant Pathology |
| Spectrophotometer | N.A. | MRI | Pharmacology |
| Spectrophotometer | N.A. | UOR | Medicine |
| UV/ VIS Spectrometer | Campsec | UOP | Animal Science |
| UV/VIS Spectrophotometer | N.A. | UOSJ | Biochemistry |
| UV/VIS Spectrophotometer | N.A. | UOSJ | Biochemistry |
| UV/VIS Spectrophotometer | N.A. | UOR | Chemistry |

Mal functioning but can be used

| | | | |
|-------------------------------------|--------------|-----|--------------------------|
| Atomic Absorption Spectrophotometer | Bucks | UOP | Chemistry |
| Atomic Absorption Spectrophotometer | Shimadzu | UOR | Agricultural Chemistry |
| Atomic Absorption Spectrometer | Perkin Elmer | UOP | Geology |
| Colorimeter | N.A. | UOR | Agricultural Engineering |

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|------------------------------|--------------|------|----------------------------|
| Microscope | N.A. | NARA | Marine Biology |
| Microscope | N.A. | NARA | Marine Biology |
| Microscope | Olympus | UOR | Fish Biology |
| Scanning Electron Microscope | JEOL | MRI | Electron Microscopy Unit |
| Spectrophotometer | Perkin Elmer | UOK | Physics |
| Spectrophotometer | Cecil | UOP | Vetrinary Clinical Studies |
| Spectrophotometer | N.A. | UOP | Para Clinical Studies |
| Spectrophotometer | Shimadzu | MRI | Biochemistry |
| Turbidimeter | Hach | UOR | Agricultural Engineering |
| Absorbance Fluorescence | N.A. | UOP | Para Clinical Studies |

Functioning

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|-------------------------------------|----------|------------------|------------------------|
| AAS .- AA 640IF | Shimadzu | ITI | Agro & Food Technology |
| Atomic Absorption Spectrometer | Hitachi | UOR | Biochemistry |
| Atomic Absorption Spectrometer | Shimadzu | UOP | Animal Science |
| Atomic Absorption Spectrometer | Varian | HORDI | Chemistry |
| Atomic Absorption Spectrophotometer | GBC | RRDI | Soil & Agronomy |
| Atomic Absorption Spectrophotometer | GBC | CRI | Soil & Plant Nutrition |
| Atomic Absorption Spectrophotometer | GBC | RARDC -Bomбуwela | Soil Science |

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|-------------------------------------|--------------|-----------------|---------------------------------------|
| Atomic Absorption Spectrophotometer | GBC | RRI | Soils & Plant Nutrition |
| Atomic Absorption Spectrophotometer | GBC | VRI | Animal Nutrition |
| Atomic Absorption spectrophotometer | Hitachi | UOR | Chemistry |
| Binocular Microscope | Olympus | MRI | Pathology |
| Binocular Microscope | Olympus | MRI | Pathology |
| Binocular Microscope | Olympus | UOR | Agricultural Biology |
| Biological Microscope | Nikon | UOP | Animal Science |
| Biological Microscope | Nikon | UOP | Para Clinical Studies |
| Bomb Calorimeter | Yoshida | UOP | Animal Science |
| Chromameter | Minolta | ITI | Agro & Food Technology |
| Chromameter | Minolta | UOP | Animal Science |
| Chromatograph | N.A. | UOC | Zoology |
| Chromatotron | N.A. | UOSJ | Biochemistry |
| Chromatotron | N.A. | UOSJ | Biochemistry |
| Colorimeter | Jenway | VRI | Animal Nutrition |
| Colorimeter | Perkin Elmer | UOP | Physics |
| Compound Microscope | Olympus | MRI | Rabies Diagnosis & Vaccine Production |
| Differential Refractometer | Knauer | UOP | Chemistry |
| Diffractometer | Siemens | UOP | Chemistry |
| Dissecting Microscope | Ieca | RARDC-Makandura | |
| Dissecting Microscope | Olympus | ITI | Agro & Food Technology |

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|-------------------------------|------------|--------------------|------------------------------------|
| Double Beam Spectrophotometer | N.A. | UOR | Biochemistry |
| Electrophoresis Apparatus | N.A. | UOR | Botany |
| Electronic Analytical Balance | Sartorius | MRI | Biochemistry |
| Electrophoresis Apparatus | Bio Rad | UOC | Microbiology |
| Electrophoresis Apparatus | Horizontal | VRI | Animal Health |
| Electrophoresis Apparatus | N.A. | CRI | Plant Tissue Culture |
| Electrophoresis Apparatus | Shandon | UOK | Microbiology |
| Electrophoresis Apparatus | Vertical | VRI | Animal Health |
| Electrophoresis Apparatus | N.A. | UOSJ | Biochemistry |
| Electrophoresis Apparatus | N.A. | UOSJ | Biochemistry |
| Electrophoresis Kit | Kayagaki | UOR | Biochemistry |
| Electrophoresis Unit | Bio Rad | UOP | Para Clinical Studies |
| Electrophoresis Unit | N.A. | VRI | Animal Health |
| Electrophoresis unit | Pharmacia | UOP | Para Clinical Studies |
| ELISA Manual Reader | CLS | UOP | Veterinary Clinical Studies |
| ELISA Plate Reader | N.A. | RARDC -Bomбуwela | Agriculture Research Unit,Homagama |
| ELISA reader | Bio Tech. | DEA | Plant Pathology |
| ELISA Reader | Multiskan | VRI | Animal Health |
| ELISA Reader | N.A. | HORDI | Plant Pathology |
| E LISA Reader | Meter Tech | RARDC-Aralaganwila | |
| Flame Analyser | Gallenkamp | DEA | Soil Research Station |
| Flame Photometer | Corning | ITI | Agro & Food Technology |

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|-------------------------|---------------------|--------------------|---------------------------------------|
| Flame Photometer | Genway | RARDC -Bomбуwela | Soil Science |
| Flame Photometer | Jencons | UOP | Chemistry |
| Flame Photometer | Jenway | RARDC-Makandura | |
| Flame Photometer | Jenway | UOR | Botany |
| Flame Photometer | N.A. | RARDC-Aralaganwila | |
| Flame Photometer | N.A. | UOR | Agricultural Engineering |
| Flame Spectrophotometer | N.A. | UOR | Biochemistry |
| Fluorescence Microscope | Olympus | MRI | Rabies Diagnosis & Vaccine Production |
| Fluorescence Microscope | Olympus | MRI | Rabies Diagnosis & Vaccine Production |
| Gel Electrophoresis Kit | N.A. | SRI | Breeding |
| Gel Electrophoresis Kit | Sigma | SRI | Breeding |
| HS508 Tie Pie Scope | Tie Pie Engineering | ITI | Electro Technology Unit |
| Illuminator | Pharmacia | UOR | Botany |
| Inverted Microscope | CETI | VRI | Animal Breeding |
| Inverted Microscope | Leica | TRI | Plant Propagation & Breeding |
| Inverted Microscope | Leitz | CRI | Plant Tissue Culture |
| Inverted Microscope | N.A. | DEA | |
| Inverted Microscope | N.A. | SRI | Plant Pathology |
| Inverted Microscope | Olympus | MRI | Rabies Diagnosis & Vaccine Production |
| Inverted Microscope | Olympus | MRI | Rabies Diagnosis & Vaccine Production |
| Inverted Microscope | Olympus | UOP | Zoology |

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|---------------------------------|--------------------------|------------------|--------------------------------|
| Inverted Microscope | Pleuger | UOP | Zoology |
| IR Spectrophotometer | Shimadzu | MRI | Natural Products Chemistry |
| Light Meter | International Light Inc. | UOK | Physics |
| Light Microscope | Meijn | VRI | Animal Breeding |
| Light Microscope | Olympus | ITI | Agro & Food Technology |
| Lux Meter | N.A. | PGRC | Evaluation & Multiplication |
| Microscope - BHS-312 | Olympus | UOR | Parasitology |
| Microscope ,Binocular | Olympus | UOK | Parasitology |
| Microscope BHS-312 | Olympus | UOR | Parasitology |
| Microscope with microphoto unit | Leica | UOC | Microbiology |
| Microscope | Bosh & Lomb | TRI | Plant Pathology |
| Microscope | CETI | VRI | Bacteriology |
| Microscope | CHB | UOR | Parasitology |
| Microscope | Hertel & Riuss | TRI | Entomology |
| Microscope | Leica | UOJ | Biochemistry |
| Microscope | N.A. | NARA | Marine Biology |
| Microscope | N.A. | PGRC | Tissue Culture & Biotechnology |
| Microscope | N.A. | RARDC -Bomбуwela | Rice Breeding |
| Microscope | N.A. | UOC | Forensic Medicine |

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|------------|---------|--------------------|---------------------------------------|
| Microscope | N.A. | UOP | Pre Clinical Studies |
| Microscope | N.A. | UOSJ | Biochemistry |
| Microscope | N.A. | UOSJ | Biochemistry |
| Microscope | Nikon | HORDI | |
| Microscope | Nikon | RPRDC | |
| Microscope | Nikon | UOC | Zoology |
| Microscope | Nikon | UOC | Zoology |
| Microscope | Nikon | UOP | Para Clinical Studies |
| Microscope | Nikon | UOP | Para Clinical Studies |
| Microscope | Nikon | VRI | Pathology |
| Microscope | Novesc | RARDC -Bomбуwela | Plant Pathology |
| Microscope | Olympus | HORDI | |
| Microscope | Olympus | MRI | Bacteriology |
| Microscope | Olympus | MRI | Microbiology |
| Microscope | Olympus | MRI | Rabies Diagnosis & Vaccine Production |
| Microscope | Olympus | RARDC -Bandarawela | |
| Microscope | Olympus | RRDI | Plant protection |
| Microscope | Olympus | RRI | Plant Pathology |
| Microscope | Olympus | UOK | Botany |
| Microscope | Olympus | UOP | Biochemistry |
| Microscope | Olympus | UOR | Anatomy |

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|----------------------------|--------------------|------|-----------------------------|
| Microscope | Olympus | UOR | Medicine |
| Microscope | Schuco | UOP | Biochemistry |
| Microscope | Wild | DEA | Research Station- Matale |
| Microscope | Wild Heerbrugg ltd | CRI | Crop Protection |
| Microscope | Will Wetzlar | UOP | Biochemistry |
| Microscope | Yagami | UOK | Zoology |
| Microscope,Monocular | Olympus | UOK | Parasitology |
| Mini Gel Apparatus | Sigma | UOC | Microbiology |
| Minicold Lab | Lkb | CRI | Plant Tissue Culture |
| Optical Microscope | Nikon | UOP | Para Clinical Studies |
| Optical Pantograph | N.A. | NBRO | Human settlement |
| Phase Contrast Microscope | Nikon | UOP | Animal Science |
| Phase Control Microscope | Olympus | UOR | Botany |
| Photo Diode Array Detector | Waters | UOP | Chemistry |
| Photo Micro graphic System | N.A. | UOP | Para Clinical Studies |
| Photoelectric colourmeter | Klett summersion | UOR | Pathology |
| Photographic Microscope | Olympus | UOK | Anatomy |
| Photometer | Astell Scintific | UOK | Botany |
| Photometer | Vitatron | UOP | Veterinary Clinical Studies |
| Photomicroscope | Olympus | CRI | Plant Physiology |
| Photomicroscope | Zeiss | UOR | Fish Biology |

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|--|---------------|-------------------------|---------------------------|
| Porometer | Licor | RRI | Plant Science |
| Porometer | OT | FCRDI | |
| Portable Turbidimeter 2100p | Hach | RRI | Biochemistry & Physiology |
| Recording Spectrophotometer | Shimadzu | MRI | Biochemistry |
| Refractometer | Atago | ITI | Agro & Food Technology |
| Research Microscope with teaching lead | Olympus | MRI | Microbiology |
| Research Microscope | Leitz | CRI | Plant Tissue Culture |
| Research Microscope | Olympus | UOK | Microbiology |
| Research Microscope | Olympus | UOR | Pathology |
| Research Microscope | Vanox | UOP | Microbiology |
| Spectrometer | Bruker | UOC | Chemistry |
| Spectrophotometer | Bausch & Lomb | UOJ | Biochemistry |
| Spectrophotometer | Cecil | TRI | Technology |
| Spectrophotometer | Cecil | UOK | Microbiology |
| Spectrophotometer | Cecil | UOP | Animal Science |
| Spectrophotometer | Cecil | UOR | Fish Biology |
| Spectrophotometer | G.B.C. | DEA | Soil Research Station |
| Spectrophotometer | G.B.C. | RRI | Soils & Plant Nutrition |
| Spectrophotometer | G.B.C. | TRI | Physiology |
| Spectrophotometer | HACH | RARDC-Angunakolapelessa | |

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|-------------------|-------------------|-------------------------|------------------------|
| Spectrophotometer | Hitachi | UOR | Biochemistry |
| Spectrophotometer | Jasco | UOC | Chemistry |
| Spectrophotometer | Jasco | UOC | Chemistry |
| Spectrophotometer | N.A. | NARA | Aquaculture |
| Spectrophotometer | N.A. | NARA | Environment Study |
| Spectrophotometer | N.A. | NARA | Environmetal studies |
| Spectrophotometer | N.A. | RARDC -Bomбуwela | Soil Science |
| Spectrophotometer | N.A. | RARDC-Aralaganwila | |
| Spectrophotometer | N.A. | SRI | Chemistry |
| Spectrophotometer | Sangyo | UOK | Botany |
| Spectrophotometer | Shimadzu | MRI | Biochemistry |
| Spectrophotometer | Shimadzu | RRDI | Soil & Agronomy |
| Spectrophotometer | Shimadzu | UOC | Zoology |
| Spectrophotometer | Shimadzu | UOP | Biochemistry |
| Spectrophotometer | Shimadzu | UOP | Chemistry |
| Spectrophotometer | Shimadzu | UOR | Agricultural Chemistry |
| Spectrophotometer | Shimadzu | UOR | Botany |
| Spectrophotometer | Spectromic- | RARDC-Angunakolapelessa | |
| Spectrophotometer | Spectronic | RARDC-Makandura | |
| Spectrophotometer | Spectronic | DEA | Soil Research Station |
| Spectrophotometer | V.W.R. Scientific | UOP | Animal Science |

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|-------------------------|------------|-------------------------|---------------------------------------|
| Stereo Microscope | N.A. | VRI | Animal Nutrition |
| Stereo Microscope | CETI | RARDC -Bandarawela | |
| Stereo Microscope | CETI | VRI | Animal Breeding |
| Stereo Microscope | Euromax | RARDC -Bandarawela | |
| Stereo Microscope | N.A. | RARDC -Bombuwela | Plant Protection |
| Stereo Microscope | Nippon | PGRC | Gene bank Division |
| Stereo Microscope | Olympus | RARDC-Makandura | |
| Stereo Microscope | Olympus | UOK | Zoology |
| Stereo Microscope | Olympus | UOR | Parasitology |
| Stereo Microscope | Olympus | UOR | Parasitology |
| Stereo Microscope | Wild | CRI | Plant Tissue Culture |
| Stereoscopic Microscope | Kyowa | UOP | Para Clinical Studies |
| Stereoscopic Microscope | N.A. | RARDC-Angunakolapelessa | |
| Stereoscopic Microscope | Nikon | RRDI | Plant protection |
| Stereoscopic Microscope | Nikon | RRDI | Plant protection |
| Teaching Microscope | Olympus | MRI | Microbiology |
| Teaching Microscope | Olympus | MRI | Rabies Diagnosis & Vaccine Production |
| Transilluminator | Applitek | UOR | Botany |
| Transilluminator | Gallenkamp | UOC | Biochemistry |
| Transilluminator | N.A. | NARA | Aquaculture |
| Transilluminator | N.A. | RARDC -Bombuwela | Agriculture Research Unit, Homagama |

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|----------------------------------|----------------|------|---|
| Transilluminator | UV-Tec | CRI | Genetics & Plant Breeding |
| Trans Illuminator (UV) | Sigma | MRI | Molecular Biology |
| Transilluminator (UV) | BDH | SRI | Breeding |
| Transmission Electron Microscope | JEOL | MRI | Electro Microscopy Unit |
| Tube Solarimeter | DELTA | TRI | Physiology |
| Tube Solarimeter | N.A. | DEA | |
| Turbidimeter | Hach | UOK | Botany |
| Turbidimeter | Toa | UOC | Zoology |
| UV Spectrophotometer | Shimadzu | UOP | Animal Science |
| UV Spectrophotometer | Shimadzu | MRI | Natural Products Chemistry |
| UV Spectrophotometer | Shimadzu | UOP | Biochemistry |
| UV Spectrophotometer | Lambda Polynom | UOP | Chemistry |
| UV /VIS Spectrophotometer | N.A. | UOSJ | Biochemistry |
| UV/VIS Spectrophotometer | Cecil | CRI | Soil & Plant Nutrition |
| UV/VIS Spectrophotometer | N.A. | MRI | Molecular Biology |
| UV/VIS Spectrophotometer | G.B.C. | RRI | Raw Rubber Process Development & Chemical Engineering |
| UV/VIS Spectrophotometer | LKB, Ultraspel | UOK | Biochemistry |
| UV/VIS Spectrophotometer | N.A. | RRI | Raw Rubber & Chemical Analysis |
| UV/VIS Spectrophotometer | N.A. | SRI | Chemistry |
| UV/VIS Spectrophotometer | N.A. | UOSJ | Biochemistry |
| UV/VIS Spectrophotometer | Shimadzu | CRI | Plant Physiology |

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|--------------------------|---------------|-------|------------------------|
| UV/VIS Spectrophotometer | Shimadzu | UOK | Zoology |
| UV/VIS Spectrophotometer | Shimadzu | VRI | Animal Nutrition |
| UV/VIS Spectrophotometer | Spectronic | ITI | Agro & Food Technology |
| UV/VIS Spectrophotometer | Miton Roy | UOJ | Biochemistry |
| UV/VIS Spectrophotometer | Shimadzu | ITI | Agro & Food Technology |
| UV/VIS Recording | N.A. | NARA | Environmental Studies |
| VIS Spectrophotometer | N.A. | MRI | Molecular Biology |
| VIS Spectrophotometer | N.A. | SRI | Chemistry |
| Varian NMR | Varian | UOP | Chemistry |
| Vitascope | Foss Electric | PGRC | Gene bank Division |
| Zoom Stereo Microscope | Fisher | FCRDI | |

Can not be repaired

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|------------------|-----------|------|-----------------|
| Flame Photometer | Jenway | RRDI | Soil & Agronomy |
| Microscope | Microstar | TRI | Entomology |

F. Acoustics

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| <i>Not functioning but can be repaired</i> |
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|--------------------|----------|------|------------------------------|
| Audiometer | RION | UOR | Physiology |
| DGPS | Sorsynim | NARA | National Hydrographic Office |
| Echocardiogram | N.A. | UOR | Medicine |
| Ultrasonic Bath | N.A. | UOC | Chemistry |
| Ultrasonic Cleaner | Branson | UOR | Botany |

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| <i>Functioning</i> |
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|-------------------------------------|---------------|-------------------------|--------------------------------|
| Ultra Sonic Cleaner | Sharp | SRI | Breeding |
| Ultra Sonic Cleaner | Cole - Parmer | RRI | Plant Pathology |
| Ultra Sonic Cleaner | N.A. | PGRC | Tissue Culture & Biotechnology |
| Sidexan Sonar | N.A. | NARA | Oceanography |
| Metran & Echosounder | N.A. | NARA | Oceanography |
| Echosounders | N.A. | NARA | National Hydrographic Office |
| Electrocardiogram | Fukuda Denshi | UOR | Physiology |
| Modular Precision Sound Level Meter | Bruel & Kjaer | ITI | Calibration & Measurement unit |
| Neutron Probe | Boartlong | RARDC-Angunakolapelessa | |
| Ultra Sonic Disintegrator | MSE | UOK. | Microbiology |

G. Radiation Measuring Instruments

Not functioning but can be repaired

| | | | |
|--------------------|-------------------|-------|---------------|
| Neutron Probe | ELE International | RRI | Plant Science |
| CO 60 Gamma Source | N.A. | HORDI | |
| X-Ray Apparatus | Lay Bold | UOR | Chemistry |

Functioning

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|-------------------------------|----------|-----------------|-------------------------|
| Liquid Scintillation Analyzer | Packard | CRI | Plant Physiology |
| Neutron Probe | Troxler | RRI | Soils & Plant Nutrition |
| Neutron Probe | CPN | FCRDI | |
| Neutron Probe | Trockler | RARDC-Makandura | |
| Gamma Counter | LKB | UOC | Biochemistry |
| Scintillation Counter | Beckman | UOC | Biochemistry |
| Liquid Scintillation counter | Biosc | UOP | Animal Science |
| X Ray Diffractometer | Shimadzu | UOC | Physics |

H. Total Analysis and General Measuring Instruments

Not functioning but can be repaired

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|-----------------------------------|------------------------------|-------|---------------------------------------|
| Metlar Balance | N.A. | HORDI | Plant Pathology |
| Oscilloscope | Siemens | NERD | Electrical & Electronics Engineering |
| Oscilloscope | N.A. | TRI | Technology |
| pH meter | Alpha 500 | CRI | Plant Physiology |
| pH Meter | Evans Ltd. | UOR | Botany |
| pH Meter | TOA | MRI | Rabies Diagnosis & Vaccine Production |
| pH.Meter | N.A. | HORDI | Plant Pathology |
| pH Meter | Kent | UOR | Botany |
| Digital R.M.S.Multimeter | N.A. | TRI | Technology |
| D.T.A. Unit | Netzsch | UOP | Geology |
| Osmometer | N.A. | UOR | Medicine |
| Flame Analyser | Gallenkamp | UOR | Botany |
| Amino Acid Analyser | N.A. | PGRC | Tissue Culture & Biotechnology |
| Carbon dioxide Analyzer | Analitical Development | UOK. | Botany |
| Spyro Analyser | Fukudu sangyo | UOP | Animal Science |
| Reflectron Dry Chemistry Analyser | N.A. | UOR | Paediatrics |
| Breath Hydrogen Analyser | Quintron Instrument Inc. Co. | UOR | Paediatrics |
| Semiconductor Parameter Analysis | Hewlett Packard | UOR | Chemistry |

Mal functioning but can be used

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|----------------------------------|------------------------|------------------|--------------------------------------|
| Storage Oscilloscope (2 Channel) | Phillips | NERD | Electrical & Electronics Engineering |
| Storage Oscilloscope (2 Channel) | Tektronix | NERD | Electrical & Electronics Engineering |
| Torque Meter | Shimmelsteni & Company | NERD | Electrical & Electronics Engineering |
| Osmometer | Wescor | RRI | Soils & Plant Nutrition |
| Reverse Osmosis Unit | N.A. | MRI | Pharmacology |
| pH Meter | N.A. | ITI | Agro & Food Technology |
| pH Meter | Fisher Scientific | ITI | Agro & Food Technology |
| Auto analyzer | Burcard | RARDC -Bombuwela | Soil Science |
| Chloride Analyzer | Corning | UOR | Agricultural Engineering |
| COD Meter | Central Kagaku | UOC | Chemistry |

Functioning

| | | | |
|--------------------|-------------|------|---|
| Analytical Balance | A&D company | UOR | Biochemistry |
| Analytical Balance | Chyo | UOC | Zoology |
| Analytical Balance | Mettler | UOK | Microbiology |
| Analytical Balance | Ohyo | PGRC | Gene bank Division |
| Analytical Balance | Precissa | RRI | Raw Rubber Process Development & Chemical Engineering |
| Analytical Balance | Sartorius | VRI | Animal Health |

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|-------------------------------|---------------------|-------|---|
| Analytical Balance | Switzerland Precisa | UOJ | Biochemistry |
| Anemometer | N.A. | NERD | Renewable Energy |
| Anemometer | Sloye | NERD | Renewable Energy |
| Auto Analyser | Bran Luebbe | HORDI | Chemistry |
| Auto Analyser | Varian | RRI | Soils & Plant Nutrition |
| Auto Analyzer | Burkard | RRDI | Soil & Agronomy |
| Auto Analyzer | Vita Lab 100s | MRI | Biochemistry |
| BOD Trak Apparatus | Hach | RRI | Biochemistry & Physiology |
| Carbon dioxide Analyser | Licor | RRI | Soils & Plant Nutrition |
| Coconut Processing Machine | Sakaya -12 | CRI | Coconut Processing Research |
| COD Analyzer | CKC | UOC | Zoology |
| COD Digesting Apparatus | Techne | RRI | Raw Rubber Process Development & Chemical Engineering |
| D.T.A. | N.A. | UOR | Chemistry |
| Data Analyser | Sony | ITI | Electro Technology Unit |
| Digital Multimeter | Keithly | UOK | Physics |
| Digital Polarimeter | Bellingham,UK | UOP | Chemistry |
| Doppler Flow meter | Houston | NERD | Renewable Energy |
| Electrical Top Pan Balance | N.A. | PGRC | Tissue Culture & Biotechnology |
| Electronic Analytical Balance | A&D Company | RRI | Biochemistry & Physiology |
| Electronic Analytical Balance | Fisher Scientific | UOR | Agricultural Biology |

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| Electronic Balance | CHYO | UOSJ | Biochemistry |
| Electronic Balance | Gibertim | VRI | Animal Breeding |
| Electronic Balance | Mettler | TRI | Technology |
| Electronic Balance | N.A. | PGRC | Evaluation & Multiplication |
| Electronic Balance | N.A. | RARDC -Bomбуwela | Root & Tuber Crops |
| Electronic Balance | Sartorius | UOSJ | Biochemistry |
| Electronic Balance | Sartorius | RRI | Raw Rubber Process Development & Chemical Engineering |
| Fibertec System | Tecator | ITI | Agro & Food Technology |
| Fish Farmer Portable Lab | HACH | UOP | Animal Science |
| Flame Analyser | Jenway | RARDC-Angunakolapelessa | |
| Flame Analyser | PFP | HORDI | Chemistry |
| Fluorescence Meter | Optiscience | TRI | Physiology |
| FTIR | Shimadzu | RRI | Polymer Chemistry |
| Global Positioning System | N.A. | PGRC | Exploration |
| Image Analyzer | Leica | UOK | Anatomy |
| Immunoskan | BSDL plus | VRI | Bacteriology |
| Impedance Analyzer System | N.A. | UOP | Physics |
| Infra Red Gas Analyser | N.A. | TRI | Physiology |
| Kjeldaterm Digestion System | Gerhardt | UOK | Botany |
| Kjeltec Analyser | N.A. | VRI | Animal Nutrition |

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|--------------------------------|-----------------------|-------|---------------------------------------|
| Kjeltec System | Tecator | ITI | Agro & Food Technology |
| Kjeltec System | Tecator | ITI | Agro & Food Technology |
| Mettler Balance | N.A. | TRI | Biochemistry |
| Micro Kjeldal Unit | Kjeltec | RRDI | Soil & Agronomy |
| Micro Fertilizer System | Gelman Sciences | MRI | Rabies Diagnosis & Vaccine Production |
| Multi meter | Meeix | NERD | Electrical & Electronics Engineering |
| Multicounter | N.A. | TRI | Technology |
| Oscilloscope | Kikusui Electronic Co | NERD | Electrical & Electronics Engineering |
| Osmometer | Wescor | CRI | Plant Physiology |
| PCR Machine | Barnstead Thermolyne | DEA | Plant Pathology |
| PCR Machine | Equibio | UOR | Botany |
| PCR Machine | Perkin Elmer | TRI | Biochemistry |
| PCR Machine (Thermal Reactor) | Polytron | RRI | |
| PCR Thermo cycler | Amplifron | CRI | Genetics & Plant Breeding |
| pH Meter | Copenhagen | TRI | Agronomy |
| pH Meter | Coming | HORDI | Chemistry |
| pH Meter | Coming | ITI | Agro & Food Technology |
| pH meter | Coming | UOK | Biochemistry |
| pH Meter | Gallenkamp | UOP | Biochemistry |
| pH Meter | Heraeus | UOC | Chemistry |

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| pH meter | Horiba | MRI | Electron Microscopy Unit |
| pH Meter | Orion | VRI | Animal Breeding |
| pH Meter | Orion, USA | TRI | Plant Pathology |
| pH Meter | Orion, USA | UOK | Microbiology |
| pH Meter | TOA | MRI | Rabies Diagnosis & Vaccine Production |
| pH Meter | TOA | UOC | Zoology |
| pH Meter | TOA | UOP | Animal Science |
| pH Meter | WPA | UOK | Physics |
| pH Meter | Yamato | UOR | Botany |
| pH Scanner | Eutech | RRI | Rubber Technology & Development |
| Photosynthesis System | Licor | CRI | Plant Physiology |
| Portable pH, EC & Salinity Meter | N.A. | RRDI | Plant protection |
| Potentiostat / Galvanostat | Hokuto Desko Ltd. | UOR | Chemistry |
| Pulse Generator Logic Analyzer | N.A. | TRI | Technology |
| Rapid Flow Analyzer/Flow Injection | Alpkem | CRI | Soil & Plant Nutrition |
| FRA System SL1260 | Schlumberger | UOP | Physics |
| Semi Automated Immunoassay Analyser | Abbott | UOR | Anatomy |
| Soil Aggregate Analyzer | Ogawa seiki | UOR | Agricultural Engineering |
| Spirometer | Micro Medical Ltd. UK | UOP | Physiology |
| Storage Oscilloscope (4 Channel) | Hewlett Packard | NERD | Electrical & Electronics Engineering |

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|--------------------------|--------|-----|-----------------|
| Water Quality Multimeter | HACH | UOP | Animal Science |
| Weighing Scale | Amsler | VRI | Animal breeding |
| XRD Siemens 5000 | N.A. | UOP | Physics |

Cannot be Repaired

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|--------------------|----------|--------------------|-----------------------------|
| Analytical Balance | Shimadzu | UOR | Biochemistry |
| Blood Gas Analyzer | N.A. | UOR | Medicine |
| Electronic Balance | Ohaus | TRI | Entomology |
| Oxygen Analyser | Land | ITI | Process & Plant Engineering |
| pH Meter | Kent | RARDC -Bandarawela | |

I. Environmental Control and Controlled Environment Equipment

Not functioning but can be repaired

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|----------------------|-----------------|------------------|------------------------------|
| Incubator | Precision | RRI | Plant Pathology |
| Incubator | VWR | TRI | Entomology |
| Seed Incubators | N.A. | HORDI | Plant Pathology |
| Yoghurt Incubator | N.A. | UOP | Animal Science |
| Growth Cabinet | GCA / Precision | TRI | Plant Propagation & Breeding |
| Laminar Flow | Gelman Sciences | DEA | Cinnamon Research Station |
| Laminar Flow | N.A. | HORDI | Plant Pathology |
| Thermohydrograph | N.A. | HORDI | Plant Pathology |
| Seed Storage Chamber | N.A. | RARDC -Bomбуwela | Rice Breeding |
| Temperature Meter | N.A. | UOR | Fish Biology |

Mal functioning but can be used

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|----------------------|------------|--------------------|---------------------------------------|
| Incubator | N.A. | TRI | Plant Pathology |
| Incubator | Gallenkamp | RARDC -Bandarawela | |
| Safety Cabinet | Dalton | MRI | Rabies Diagnosis & Vaccine Production |
| Laminar Flow Cabinet | Astec | UOR | Anatomy |

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| <i>Functioning</i> |
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|---------------------------------|-----------------|-------------------------|---------------------------------------|
| Bio Photo Chamber | Taltec | UOC | Zoology |
| Biohazard Cabinet | ARAC | VRI | Animal Health |
| Biohazard Cabinet | Clyde | VRI | Animal Health |
| Biohazard Cabinet | Dynapak | UOC | Microbiology |
| Biological Safety Cabinet | Clex | MRI | Animal Centre |
| Biological Safety Cabinet | Clydepace | RARDC-Angunakolapelessa | |
| Clean Bench | Dalton | MRI | Rabies Diagnosis & Vaccine Production |
| Clean Bench | N.A. | PGRC | Tissue Culture & Biotechnology |
| Clean Room Work bench | Ehret | RARDC -Bomбуwela | Plant Pathology |
| Constant Temperature Water Bath | Hart Scientific | ITI | Calibration & Measurement unit |
| Drying Sterilizer | Shell Lab | RARDC -Bandarawela | |
| Electrophoresis Chamber | N.A. | NARA | Aquaculture |
| Environmental Chamber | N.A. | ITI | Electro Technology Unit |
| Environmental Monitoring System | N.A. | NARA | Oceanography |
| Environmental Shaker | New Brunswick | UOK | Microbiology |
| Fermenter | Biostat | VRI | Vaccine Production |
| Fermenter | Mixubishi | SRI | |
| Fume Cupboard | Cope | RARDC -Bandarawela | |
| Fume Cupboard | Cope | RARDC -Bandarawela | |

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|--------------------|-------------------|--------------------|------------------------|
| Fume Cupboard | N.A. | ITI | Agro & Food Technology |
| Germinator (Large) | Kiya | PGRC | Gene bank Division |
| Germinator (Small) | Kiya | PGRC | Gene bank Division |
| Hot Air Sterilizer | Yamato | UOR | Parasitology |
| Incubation Cabinet | Shell Lab | RARDC -Bandarawela | |
| Incubator | Astell Scientific | UOK | Botany |
| Incubator | Astell Scientific | UOK | Microbiology |
| Incubator | Astell Scientific | UOP | Para Clinical Studies |
| Incubator | B&T | UOR | Botany |
| Incubator | Binder | HORDI | |
| Incubator | Cenlab | VRI | Bacteriology |
| Incubator | Gallenkamp | CRI | Soil & Plant Nutrition |
| Incubator | Gallenkamp | SRI | Breeding |
| Incubator | Gallenkamp | UOP | Chemistry |
| Incubator | Heraeus | UOC | Biochemistry |
| Incubator | Isuzu | MRI | Animal Centre |
| Incubator | Isuzu | SRI | Breeding |
| Incubator | Kottermann | UOR | Agricultural Chemistry |
| Incubator | L.T.E. Qualitemp | VRI | Bacteriology |
| Incubator | Leek | UOP | Para Clinical Studies |
| Incubator | Memmert | ITI | Agro & Food Technology |

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|-------------------------------------|--------------------|--------------------|---------------------------------------|
| Incubator | Memmert | UOJ | Biochemistry |
| Incubator | Memmert | UOK | Botany |
| Incubator | N.A. | DEA | Research Station- Matale |
| Incubator | N.A. | HORDI | Plant Pathology |
| Incubator | N.A. | UOC | Chemistry |
| Incubator | N.A. | UOC | Microbiology |
| Incubator | Sanya, Gallenkamp, | CRI | Crop Protection |
| Incubator | Shell Lab | RARDC -Bandarawela | |
| Incubator | Thermolyne | UOR | Botany |
| Incubator | Tokyo | UOC | Chemistry |
| Incubator | Yamato | UOR | Parasitology |
| Carbon Dioxide Incubator | Espec | MRI | Microbiology |
| Carbon Dioxide Incubator | Espec | MRI | Rabies Diagnosis & Vaccine Production |
| Carbon Dioxide Incubator | N.A. | UOR | Anatomy |
| Carbon Dioxide Incubator | N.A. | MRI | Pathology |
| Carbon Dioxide Incubator | Sanyo | UOC | Zoology |
| Carbon Dioxide Humidified Incubator | Forma Scientific | VRI | Animal Breeding |
| Cooled Incubator | Gallenkamp | UOR | Agricultural Biology |
| Cooled Incubator | Gallenkamp | UOR | Agricultural Biology |
| Duostaf Incubator | Gallenkamp | UOR | Botany |
| Economy Incubator | Gallenkamp | UOR | Botany |

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|------------------------|-----------------|-------------------------|---------------------------------------|
| Refrigerated Incubator | N.A. | UOP | Para Clinical Studies |
| Soft Incubator | Eyela | MRI | Rabies Diagnosis & Vaccine Production |
| Laminar Flow | Bassaire | VRI | Bacteriology |
| Laminar Flow | John Bass Ltd, | CRI | Crop Protection |
| Laminar Flow | Holten | ITI | Agro & Food Technology |
| Laminar Flow | Astec, | DEA | Plant Pathology |
| Laminar Flow | Bassaire | RARDC-Angunakolapelessa | |
| Laminar Flow | Clide - Apac | CRI | Soil & Plant Nutrition |
| Laminar Flow | EACI | RARDC-Makandura | |
| Laminar Flow | Gelman Sciences | SRI | Breeding |
| Laminar Flow | Gelman Sciences | UOC | Biochemistry |
| Laminar Flow | Gelman Sciences | VRI | Bacteriology |
| Laminar Flow | N.A. | RRDI | Plant protection |
| Laminar Flow | N.A. | UOR | Botany |
| Laminar Air flow | Envair | UOK | Microbiology |
| Laminar Air Flow | Labconco | UOR | Agricultural Biology |
| Laminar Flow Cabinet | N.A. | UOR | Agricultural Biology |
| Laminar Flow Cabinet | Bassaire | RARDC -Bandarawela | |
| Laminar Flow Cabinet | Bhepaire | TRI | Plant Propagation & Breeding |
| Laminar Flow Cabinet | Gelman Sciences | RARDC -Bandarawela | |

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| Laminar Flow Cabinet | Gelman Sciences | RARDC -Bandarawela | |
| Laminar Flow Cabinet | Microflow | RRI | Plant Science |
| Laminar Flow Cabinet | Yamato | UOC | Chemistry |
| Laminar Air Flow Cabinet | Glyde-Apac | UOR | Agricultural Biology |
| Laminar Air Flow Cabinet | Labconco | UOR | Agricultural Biology |
| Laminar Flow Hood | Gelman Sciences | CRI | Plant Tissue Culture |
| Laminar Flow Hood | N.A. | RARDC -Bombuwela | Agriculture Research Unit, Homagama |
| Laminar Flow Hood | N.A. | TRI | Plant Pathology |
| Micro flow Horizontal Laminar Flow | N.A. | UOP | Para Clinical Studies |
| Liquid Nitrogen Refrigeration System | Tayler Whas | UOR | Anatomy |
| Memmert Oven | GMBH | CRI | Crop Protection |
| Mortuary Chamber | Yorco | UOK | Anatomy |
| Orbital Incubator | Gallenkamp | UOJ | Biochemistry |
| Orbital Incubator | Sanyo Gallenkamp | RARDC -Bandarawela | |
| Organ Bath | N.A. | UOC | Zoology |
| Pressure Steam Sterilizer | All American Sterilizer | RARDC -Bandarawela | |
| Pressure Steam Sterilizer | N.A. | RARDC -Bombuwela | Plant Pathology |
| Refrigerator | Bosch | UOR | Botany |
| Refrigerator | Bosch | VRI | Bacteriology |
| Refrigerator | Phillips | UOP | Pre Clinical Studies |
| Refrigerator | Sanyo | UOR | Botany |

| | | | |
|---------------------------------|-----------------|------------------|---------------------------------------|
| Refrigerator | Sanyo | UOR | Pathology |
| Ultra Cool Refrigerator | Sanyo | SRI | Breeding |
| Safety Cabinet | Baker | MRI | Rabies Diagnosis & Vaccine Production |
| Safety Cabinet | Dalton | MRI | Molecular Biology |
| Safety Cabinet | Dalton | MRI | Rabies Diagnosis & Vaccine Production |
| Safety Cabinet | Dalton | MRI | Rabies Diagnosis & Vaccine Production |
| Smoking Oven | Hanaki | UOP | Animal Science |
| Sterilizer | N.A. | RARDC -Bomбуwela | Agriculture Research Unit, Homagama |
| Sterilizing Cabinet | DMS Electronics | MRI | Electron Microscopy Unit |
| Temperature Controlled Cabinets | N.A. | UOC | Zoology |
| Temperature Scanner | Hart Scientific | ITI | Calibration & Measurement unit |
| Thermostatic Germinator | Kiya | PGRC | Gene bank Division |

Cannot be repaired

| | | | |
|--------------------------------|------|-----|-------------------|
| Autospirometer with Sterilizer | N.A. | UOR | Medicine |
| Growth Chamber | N.A. | UOC | Forensic Medicine |

J. Chromatographic Equipment

Not functioning but can be repaired

| | | | |
|--------------------------|--------|-------|--------------|
| Gas Chromatograph | Varian | TRI | Biochemistry |
| Gas Chromatograph | Bucks | UOP | Chemistry |
| Gas Liquid Chromatograph | N.A. | HORDI | |

Mal functioning but can be used

| | | | |
|------|--------|-----|------------------------|
| HPLC | N.A. | MRI | Pharmacology |
| HPLC | Waters | ITI | Agro & Food Technology |

Functioning

| | | | |
|-------------------|----------|------|--|
| Gas Chromatograph | N.A. | SRI | Chemistry |
| Gas Chromatograph | HNU | NERD | Agricultural Engineering & Post Harvest Technology |
| Gas Chromatograph | Shimadzu | TRI | Biochemistry |
| Gas Chromatograph | Shimadzu | DEA | Post Harvest Technology |
| Gas Chromatograph | N.A. | NARA | Environment Studies |
| Gas chromatograph | Shimadzu | ITI | Agro & Food Technology |
| Gas Chromatograph | Shimadzu | ITI | Agro & Food Technology |
| Gas Chromatograph | Shimadzu | ITI | Agro & Food Technology |

| | | | |
|-----------------------------------|-------------------|-----|----------------------------|
| Gas Chromatograph | Jancos | UOC | Chemistry |
| Gas Chromatograph | Sangyo | UOK | Botany |
| Gas Chromatograph | Varian | UOP | Chemistry |
| Gas Chromatograph | Shimadzu | UOP | Biochemistry |
| Gas Chromatograph | N.A. | UOP | Chemistry |
| Gas Chromatograph | N.A. | UOR | Chemistry |
| Gas Liquid Chromatograph | Shimadzu | MRI | Bacteriology |
| Liquid Chromatograph | Waters | UOP | Biochemistry |
| Liquid Chromatograph | Waters | CRI | Plant Physiology |
| HPLC | Jasco | UOC | Chemistry |
| HPLC | N.A. | VRI | Animal Nutrition |
| HPLC | Perkin Elmer | TRI | Biochemistry |
| HPLC | Waters | TRI | Biochemistry |
| HPLC | Shimadzu | MRI | Natural Products Chemistry |
| HPLC | Shimadzu | ITI | Agro & Food Technology |
| HPLC | Perkin Elmer | UOC | Biochemistry |
| HPLC | Shimadzu | UOP | Animal Science |
| HPLC | N.A. | UOR | Chemistry |
| Ion Chromatography System | Altech | UOP | Chemistry |
| High Speed Current Chromatography | Pharma Tech Corp. | UOP | Chemistry |
| Mass Spectrometer | Home Builts | UOC | Physics |

Scientific Instruments - Information obtained from Secondary sources

A. Equipment for Sample Preparation

| Current Status | FUNCTIONING | | |
|------------------------------|------------------|-----|----------------|
| Tissue Embedding Apparatus | Miles Scientific | IFS | Life Sciences |
| Thin Section Grinder | Wards | IFS | Earth Sciences |
| Thin Section Cut Off Saw | Wards | IFS | Earth Sciences |
| Plant Grinder | Teactor | IFS | Earth Sciences |
| Rock Cutting Machine | Maroto | IFS | Earth Sciences |
| Glass bead Apparatus for XRF | | IFS | |

Current Status Cannot be Repaired

| | | | |
|---------------------|---------|-----|----------------|
| Rock Sample Grinder | Yoshida | IFS | Earth Sciences |
|---------------------|---------|-----|----------------|

B. Mixing, Shaking, Blending and Separation

Current Status Not functioning but can be repaired

| | | | |
|------------|---------|-----|------------------------------|
| Centrifuge | Beckman | IFS | Physical & Chemical Sciences |
|------------|---------|-----|------------------------------|

Current Status FUNCTIONING

| | | | |
|----------------------|-----------|-----|------------------|
| Pulse Controller | Biorad | IFS | Life Sciences |
| Filtration Apparatus | Sartorius | IFS | Environmental |
| Shaker | Heidolph | IFS | Earth Sciences |
| Shaker | | IFS | Natural Products |
| Orbital Shaker | Eyela | IFS | Life Sciences |
| Vibration Shaker | Heiro | IFS | Earth Sciences |
| Orbital Shaker | Obritech | IFS | Life Sciences |
| Orbital Shaker | Eyela | IFS | Natural Products |

| | | | |
|----------------------------------|----------|-----|--------------------------------|
| Shaker Bath | Eyela | IFS | Earth Sciences |
| Vortex Mixture | Labinco | IFS | Earth Sciences |
| Vortex Mixture | Maxi Mix | IFS | Life Sciences |
| Concentrator | Taitec | IFS | Life Sciences |
| Fraction Collector | Eyela | IFS | Natural Products |
| Microcentrifuge | Tomy | IFS | Life Sciences |
| CP Centrifuge | Beckman | IFS | Earth Sciences |
| CP Centrifuge | Beckman | IFS | Physical & Chemical Sciences & |
| CP Centrifuge | Beckman | IFS | Life Sciences |
| CP Centrifuge | Beckman | IFS | Natural Products |
| CP centrifuge | Beckman | IFS | Environmental |
| CP Centrifuge | Beckman | IFS | Life Sciences |
| Ultra Centrifuge | Beckman | IFS | Life Sciences |
| Ultra Centrifuge 70000 rpm | | IFS | |
| Refrigerated Centrifuge 6000 rpm | | IFS | |
| GPR Centrifuge | Beckman | IFS | Life Sciences |
| Micro centrifuge | | IFS | Natural Products |
| Centrifuge | Spinnet | IFS | Physical & Chemical Sciences |
| Centrifuge Ball Mill | Fritsch | IFS | Earth Sciences |
| Seive Shaker RO-TAP type | | IFS | Earth Sciences |
| Seive Technik | | IFS | Earth Sciences |

Current Status **Cannot be Repaired**

| | | | |
|---------------|---------|-----|----------------|
| GP Centrifuge | Beckman | IFS | Earth Sciences |
|---------------|---------|-----|----------------|

C. Drying, Cooling, Heat Transfer Equipment and Sample preservation

Current Status **Not Functioning but can be repaired**

| | | | |
|-----------------|---------|-----|------------------------------|
| Vaccum Dry Oven | Eyela | IFS | Physical & Chemical Sciences |
| Muffle Furance | GS | IFS | Earth Sciences |
| Water Bath | Kottman | IFS | Earth Sciences |

Current Status Mal Functioning but can be Used

| | | | |
|-------------------|-------|-----|---------------|
| Water Bath/Shaker | Eyela | IFS | Environmental |
|-------------------|-------|-----|---------------|

Current Status FUNCTIONING

| | | | |
|-------------------|-----------|-----|--------------------------------|
| RV Evaporator | Eyela | IFS | Natural Products |
| RV Evaporators | Eyela | IFS | Natural Products |
| Autoclave | Hillson | IFS | Life Sciences |
| Autoclaves | Advantec | IFS | Natural Products |
| Autoclave | Advantec | IFS | Life Sciences |
| Water Bath | Advantec | IFS | Life Sciences |
| Water Bath | Advantec | IFS | Life Sciences |
| Water Bath | Advantec | IFS | Natural Products |
| Water Bath | Advantec | IFS | Life Sciences |
| Water Bath/Shaker | Eyela | IFS | Life Sciences |
| Water Bath | Hakke | IFS | Earth Sciences |
| Water Bath | Advantec | IFS | Life Sciences |
| Water Bath | Advantec | IFS | Environmental |
| Water Bath | Advantec | IFS | Life Sciences |
| Water Bath | Precision | IFS | Life Sciences |
| Oven | Izusu | IFS | Life Sciences |
| Oven | Izusu | IFS | Natural Products |
| Oven | Memmer | IFS | Physical & Chemical Sciences |
| Drying Oven | Advantec | IFS | Life Sciences |
| Oven | Izusu | IFS | Earth Sciences |
| Oven | Izusus | IFS | Environmental |
| Microwave Oven | Miela | IFS | Earth Sciences |
| Vacuum Oven | Eyela | IFS | Life Sciences |
| Oven | Memmert | IFS | Natural Products |
| Oven | VWR | IFS | Physical & Chemical Sciences & |
| Vacuum Dry Oven | Eyela | IFS | Natural Products |

| | | | |
|-------------------------|------------|------------------|------------------------------|
| Oven | Horo | IFS | Natural Products |
| Cooler | Eyela | IFS | Natural Products |
| RV Cooler | Eyela | IFS | Natural Products |
| Ice Maker | Hoshizaki | IFS | Life Sciences |
| Freeze Dryer | Eyela | IFS | Natural Products |
| Vacuum Drying Apparatus | Eyela | IFS | Natural Products |
| Furnace | Lakmini | IFS | Earth Sciences |
| Box Furnace | Naber | IFS | Earth Sciences |
| Tube Furnace | Isuzu | IFS | Physical & Chemical Sciences |
| Box Furnace | Gallencamp | IFS | Physical & Chemical Sciences |
| Heat Block | Teactor | IFS | Earth Sciencea |
| Thermo Cooler | ICH/135F | IFS | Natural Products |
| Hot Plate with Stirrer | Coming | IFS | Life Sciences |
| Gel Dryer | Biorad | IFS | Life Sciences |
| Hot Plate | Coming | IFS | Environmental |
| Hot Plate Stirrer | Bibby | IFS | Environmental |
| Muffle Furance | IFS | Natural Products | |
| Cooler System | Eyela | IFS | Physical & Chemical Sciences |
| Hot Plate | Corning | IFS | Life Sciences |
| Hot Plate | Corning | IFS | Physical & Chemical Sciences |
| Water Distiller | Advantec | IFS | Environmental |

Current Status Cannot be Repaired

| | | | |
|--------------------|----------|-----|------------------------------|
| Thermo Cool System | Advantec | IFS | Environmental |
| Oven | Hillson | IFS | Natural Products |
| Oven | Izusu | IFS | Physical & Chemical Sciences |
| Oven | Mermert | IFS | Earth Sciences |
| Muffle Furance | | IFS | Earth Sciences |
| Freeze Dryer | Eyela | IFS | Life Sciences |
| Bomb Calorimeter | Shimadzu | IFS | Physical & Chemical Sciences |
| Thermal Bath | Shimadzu | IFS | Physical & Chemical Sciences |

D. Optical Measuring Instruments

Current Status **Not Functioning but can be repaired**

| | | | |
|-----------------------|---------------|-----|---------------|
| ELISA Reader | ICN | IFS | Life Sciences |
| AAS | Perkine Elmer | IFS | Environmental |
| NMR Spectrophotometer | | IFS | |
| FTIR | | IFS | |
| XRD | | IFS | |

Current Status **Mal Functioning but can be used**

| | | | |
|---------------|--------|-----|------------------------------|
| Polarographic | Yanaco | IFS | Physical & Chemical Sciences |
|---------------|--------|-----|------------------------------|

Current Status **FUNCTIONING**

| | | | |
|------------------------------|-----------------|-----|------------------------------|
| Chromotepac c-Rb | Shimadzu | IFS | Natural Products |
| UV/VIS Spectrometer | Phillips/Metler | IFS | Natural Products |
| UV/VIS Spectrometer | Jenway 6100 | IFS | Environmental |
| UV/VIS Spectrometer | Shimadzu | IFS | Natural Products |
| UV/VIS Spectrometer. | Shimadzu | IFS | Physical & Chemical Sciences |
| UV/VIS Spectrometer | Sipper | IFS | Earth Sciences |
| ICPS | | IFS | |
| IR Spectrophotometer | | IFS | |
| Compound Microscope | Olympus | IFS | Life Sciences |
| Microscope | Olympus | IFS | Earth Sciences |
| Compound Microscope | Olympus | IFS | Life Sciences |
| Inverted Microscope | Olympus | IFS | Life Sciences |
| Stereo Microscope | Olympus | IFS | Life Sciences |
| Stereo Dissecting Microscope | Olympus | IFS | Life Sciences |
| Compound Microscope | | IFS | Natural Products |
| AAS | Shimadzu | IFS | Earth Sciences |

| | | | |
|--------------------------------|--------------|-----|------------------------------|
| Stereo Microscope | Olympus | IFS | Environmental |
| Compound Microscope | Olympus | IFS | Environmental |
| Stereo Microscope | | IFS | Natural Products |
| Microscope | Olympus | IFS | Life Sciences |
| Inverted Microscope | Olympus | IFS | Life Sciences |
| Monochromator / Auto Scanner | Nikon | IFS | Physical & Chemical Sciences |
| DNA Sequencing Gel Apparatus | Biorad | IFS | Life Sciences |
| Electrophoresis Apparatus | | IFS | Life Sciences |
| Digital Photometer | Nikon | IFS | Physical & Chemical Sciences |
| PCR Instrument | Perkin Elmer | IFS | Life Sciences |
| Trans Illuminator | UVP | IFS | Life Sciences |
| Poloroid Camera | MP4+ | IFS | Life Sciences |
| Spectroflurometer | Shimadzu | IFS | Physical & Chemical Sciences |
| Electrophoresis Apparatus | Advantec | IFS | Environmental |
| X-Ray Florescence Spectrometer | | IFS | |

Current Status **Cannot be Repaired**

| | | | |
|---------------------|----------|-----|----------------|
| UV/VIS Spectrometer | Shimadzu | IFS | Earth Sciences |
|---------------------|----------|-----|----------------|

F. Acoustics

Current Status **FUNCTIONING**

| | | | |
|-----------------|-------|-----|---------------|
| Ultra Sonicator | Sharp | IFS | Environmental |
|-----------------|-------|-----|---------------|

Current Status **Cannot be Repaired**

| | | | |
|------------------|----------|-----|------------------------------|
| Ultrasonicator | Sharp | IFS | Physical & Chemical Sciences |
| UltraSonificator | Advantec | IFS | Natural Products |

G. Radiation Measuring Instruments

Current Status **FUNCTIONING**

| | | | |
|---------------|----------|-----|---------------|
| Gamma Counter | Oakfield | IFS | Life Sciences |
|---------------|----------|-----|---------------|

H. Total Analysis and General Measuring Equipment

Current Status **Not Functioning but can be repaired**

| | | | |
|-------------------------------------|---------|-----|------------------------------|
| Auto Titrator | Metrohm | IFS | Earth Sciences |
| pH Meter | Horiba | IFS | Physical & Chemical Sciences |
| LS Counter | | IFS | |
| Amino Acid Analyzer | | IFS | |
| CHN Analyzer | | IFS | |
| Electronic Analysis Apparatus ANA 2 | | IFS | Environmental |

Current Status **Mal Functioning but can be used**

| | | | |
|-------------------|----------------|-----|------------------------------|
| Moisture Analyser | Photovolt Math | IFS | Natural Products |
| Digital Densitral | Advutees | IFS | Physical & Chemical Sciences |

Current Status **FUNCTIONING**

| | | | |
|--------------------|-------------|-----|------------------------------|
| Colony Counter | | IFS | Natural Products |
| Potentiostat | Hokutodinko | IFS | Physical & Chemical Sciences |
| Oscilloscope | Shimadzu | IFS | Physical & Chemical Sciences |
| pH/Eh Meter | Orion | IFS | Environmental |
| pH Meter | IVEL | IFS | Life Sciences |
| pH Meter | Corning | IFS | Life Sciences |
| Kjeldhal Apparatus | | IFS | Natural Products |
| Kjhadhal Unit | Teactar | IFS | Earth Sciences |
| Ion Analyser | Orion | IFS | Environmental |

| | | | |
|-------------------------------|-----------|-----|------------------|
| Electron Probe Micro Analyzer | | IFS | |
| Ion Analyser | Orion | IFS | Environmental |
| Ion Analyser | Orion | IFS | Environmental |
| Droplet Current Counter | Eyela | IFS | Natural Products |
| Particle Counter | Eroma INC | IFS | Life Sciences |

Current Status **Cannot be Repaired**

| | | | |
|-------------------------|----------|-----|------------------------------|
| Terminal Analyzer | Shimadzu | IFS | Physical & Chemical Sciences |
| Carbon Dioxide Analyzer | Shimadzu | IFS | Environmental |
| Ion Analyser | Orion | IFS | Earth Sciences |
| Balance | Shinibre | IFS | Earth Sciences |
| pH Meter | Jenway | IFS | Environmental |
| pH Meter | Horiba | IFS | Environmental |

I. Environment control and Controlled Environment Equipment

Current Status **FUNCTIONING**

| | | | |
|----------------------------|----------|-----|------------------|
| Incubator | Advantec | IFS | Life Sciences |
| Carbon Dioxide Incubator | Sanyo | IFS | Life Sciences |
| Incubator | Advantec | IFS | Life Sciences |
| Incubator | Advantec | IFS | Life Sciences |
| Carbon Dioxide Incubator | | IFS | Natural Products |
| Incubator | Jouan | IFS | Earth Sciences |
| Laminar Flow | Gelman | IFS | Life Sciences |
| Laminar Floor Cabinet | Advantec | IFS | Life Sciences |
| Laminar Floor Cabinet | | IFS | Natural Products |
| Air Cleaning Laminar Floor | | IFS | Natural Products |
| Laminar Flow | Advantec | IFS | Life Sciences |
| Portable Laminar Floor | Air Tec | IFS | Life Sciences |

J. Chromatographs

Current Status **FUNCTIONING**

| | | | |
|-----------------------------------|-------|-----|------------------|
| Flash Chromatograph | Eyela | IFS | Natural Products |
| GCMS | | IFS | |
| GS (Computer controlled) -4 nos | | IFS | |
| Droplet counter Chromatograph | | IFS | |
| HPLC (Computer controlled) -4 nos | | IFS | |

Annex 1**Classification of Scientific Instruments****Preamble**

Various procedures are adopted for classification of scientific equipment and measuring instruments. The basis for a classification is often related to the propose for which the classification is necessary. If it is for the purpose of an inventory, the simplest approach is to list the items of equipment in an alphabetical order. Venders of scientific equipment with marketing strategies have their own basis for cataloguing equipment. However, for a user – oriented classification, a scheme can be conceptualized on the basis of the broad principles of operation of scientific equipment.

The current effort for a classification is for the preparation of a directory of equipment available in the National Scientific Research Laboratory Network of the country. In this classification the instruments are placed in an order depicting the sequence in which these may come into use in process of quality testing and quantitative analysis of a material.

The laboratory process in the classical sense, begins with the sampling of a material (or population) by a variety of means, followed by a pre analysis preparatory process, that may include extraction, purification and dispensing. This is followed by several steps in mixing, incubation, separation and a collection process. Finally the refined sample is subjected to quality testing and / or quantitative analysis, using high precision measuring instruments of various categories.

Apart from the special quality scientific instruments, all research laboratories also need items of equipment which are of common use, such as weighing balances microtomes , voltage stabilizers ,vacuum pumps, cameras etc. These have been left out of this classification. On the above considerations, scientific equipment have been classified as follows:

A. Equipment for Sample Preparation (including sampling, extracting, purifying and dispensing)

Ex, Root auger kit, Microtome, Tissue processor

B. Mixing, Shaking, Blending and Separation Equipment

Ex. Ultra centrifuge, Soxholet apparatus, Shaker, Vibratory sieve shaker, Synthesizer sequencing system, Retriever fraction collector, Rapid digester, Fraction collector

C. Drying , Cooling , Heat Transfer Equipment and Sample Preservation

Ex: Water bath, Oven, Distilling unit, Freezing. Units, Muffle furnace, Hot plate, Autodove, Bomb calorimeter, Vacuum oven, Vacuum evaporator, Thermal cycler

D. Quantitative Measures and Quality Testing

Ex. Whiteness meter, Water quality checker, Leaf area meter, Porometer, Tensiometer

E. Optical Measuring Instruments

Ex. Microscopy, Photometry, Colorimetry, Spectro-photometry, Chromatography, Turbidimetry, Water HPLC, UV transilluminator, Tube solarimeter, Spectrofluorometer

F. Acoustics

Ex. Ultra sonic cleaner, Ultra sonic disintegrator, Echounders

G. Radiation Measuring Instruments

Ex. X ray apparatus, Neutrone probe, Whirlmixer fision, Scintilator counter

H. Total Analysis and General Measuring Equipment

Ex. Spyro analyser, Stensitometer, Semi-conductor parameter analyser, Reverse osmosis unit, Flow injection analyser, Scanning calorimeter, Potentiostat /Galvanometer, Portable pH meter, EC & salinity meter, COD analyser

I. Environmental Control and Controlled Environment Equipment

Ex. Soft incubator, Smoking oven, Safety cabinet, Refrigeration incubator, CO₂ humidified Incubator, Temperature control cabinet

J. Chromatographic and Mass Spectrometric Equipment

Ex HPLC, GC, MPLC, MS, GC-MS

Research Institutions, Centres and University Departments that Responded

Research Institutions/ Departments/Centres

| | | |
|-------|---|--|
| CRI | - | Coconut Research Institute |
| DEA | - | Department of Export Agriculture |
| FCRDI | - | Field Crop Research & Development Institute |
| HORDI | - | Horticulture Research & Development Institute |
| IFS | - | Institute of Fundamental Studies (Secondary Sources) |
| ITI | - | Industrial Technology Institute |
| MRI | - | Medical Research Institute |
| NARA | - | National Aquatic Resources Research & Development Agency |
| NBRO | - | National Building Research Organization |
| NERD | - | National Engineering Research & Development Centre |
| PGRC | - | Plant Genetic Resources Centre |
| RARDC | - | Regional Agricultural Research & Development Centres Angunakolapalassa Aralaganwila Bandarawela Bomuwela Gonawila |
| RPRDC | - | Rice Processing Research & Development Centre |
| RRI | - | Rubber Research Institute |
| SRI | - | Sugarcane Research Institute |
| TRI | - | Tea Research Institute |
| VRI | - | Veterinary Research Institute |

UNIVERSITIES

University of Colombo

Dept. of Forensic Medicine
Dept. of Microbiology
Dept. of Biochemistry
Dept. of Physiology
Dept. of Zoology
Dept. of Physics
Dept. of Chemistry

University of Jaffna

Dept. of Biochemistry

University of Kelaniya

Dept. of Anatomy
Dept. Biochemistry
Dept. of Parasitology
Dept. of Microbiology
Dept. of Zoology
Dept. of Physics
Dept. of Botany

University of Peradeniya

Dept. of Agricultural Engineering
Dept. of Physics
Dept. of Botany
Dept. of Chemistry
Dept. of Geology
Dept. of Zoology
Dept. of Microbiology
Dept. of Physiology
Dept. of Biochemistry
Dept. of pre-clinical studies
Dept. of Para clinical studies
Dept. of Veterinary clinical studies
Dept. of Animal Science

University of Ruhuna

Dept. of Agricultural Economics
Dept. of Animal Science
Dept. of Agricultural Engineering
Dept. of Agricultural Chemistry
Dept. of Agricultural Biology
Dept. of Medicine
Dept. of Anatomy
Dept. of Parasitology
Dept. of Physiology
Dept. of Paediatrics
Dept. of Pathology
Dept. of Biochemistry
Dept. of Chemistry
Dept. of Botany
Dept. of Fish Biology

University of Sri Jayewardenapura

Dept. of Biochemistry

