About Us

Universitas Airlangga has been recognized as an Inter-University Center of Excellence (PUA - PT) for Circular Green Economy and Health Autonomy Drug Discovery.

Supported by advanced, high - technology facilities and experts in the fields of pharmaceutical chemistry and natural medicinal ingredients, the PUA - PT Health Autonomy Drug Discovery UNAIR provides testing services to support research in healthcare and new drug development.

PUA - PT

(Pusat Unggulan Antar Perguruan Tinggi)

HEALTH AUTONOMY - DRUG DISCOVERY

UNIVERSITAS AIRLANGGA

Visit & Contact Us

- Nanizar Zaman Joenoes Building
- Institute of Tropical Disease

Universitas Airlangga Kampus C
Jl. Dr. Ir. H. Soekarno, Mulyorejo, Kec. Mulyorejo,
Surabaya, Jawa Timur

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Our Gallery

1. Raman Spectrophotometry
Renishaw/ Ra802 Pharmaceutical Analyser

To analyze detailed chemical and physical information, ranging from the distribution and domain size of Active Pharmaceutical Ingredients (API) to physical topography.

2. Amino Acid Analyzer
Hitachihigt-Speed La8080 Amino

To analyze amino acids for various purposes, such as: quality control of food and pharmaceutical products, biological and biochemical research, and meeting the need for high reproducibility.

3. HPLC/Chomatography Agilent
Agilent 1260 Infinity Ii HPLC

To separate molecules in a short time, identify and quantify components in a liquid mixture, and analyze both organic and inorganic compounds.

4. Spectrofluorometer
Jasco / Fp-8550

To study the fluorescence properties of a sample by shining specific light onto it, measuring the intensity and spectral distribution of the resulting fluorescence emission.

5. Uv-Vis-Nir Spectrophotometer
Shimadzu/ UV-3600i Plus

To measure solid samples with high sensitivity, transmit data to Excel in real-time, and utilize a high-performance, double-grating monochromator.

6. LCMS Single Quadrupole
Thermo Scientific / Isq Em

To confirm and identify compounds, as well as to easily identify eluted analytes, obtaining both quantitative and qualitative data.

7. Microplate Reader
BMG Labtech FLUOstar Omega

To read microplates, ideally suited for life science applications, and to measure parameters such as: Luminescence, Fluorescence Intensity, TRF, FP, Absorbance, etc.

8. HPTLC Densitometri
Camag

To capture images of HPTLC chromatogram plates using a digital camera with the aid of ultraviolet/white light, and to quantify the results using a densitogram or imagine profile.

9. TLC-MS
Camag TLC Interfase

To quickly and without contamination elute TLC/HPTLC zones, then transfer the eluent online to Mass Spectrometry (MS).

10. Confocal Laser Scanning Microscope
Confocal Ax And Eclipse Ti2-E

To generate a point light source and reject out-of-focus light, providing the capability to capture high-resolution and 3D images deep within tissues.

11. Partikel Size Analyzer
Fritsch Analysette 22 Next Nano

To measure particle size within a range of 0,01–3800 µm with a short measurement time and a high degree of accuracy.

12. Buchi Mini Spray Dryer
S-300 System (Aquos Only

To rapidly convert liquid sample into powder (solid).

13. Rotary Evaporator
Buchi Rotary evaporator R-300

To separate samples or extracts from their solvents through a gentle distillation process.

14. Industrial Rotary Evaporator
Buchi Rotary evaporator R-220

To separate solvent and solute in a sample by means of evaporation and condensation, with a capacity of 20 liters.

15. Microwave Irradiation Reactor
Anton Paar Microwave Synthesis Monowave 400

To perform microwave synthesis on small to medium scales.

16. Sonicator
Sonicator 750w

To reduce gas content in a solution or used for the degassing process.

17. Inkubator
ESCO CCL-170B-8

To regulate temperature, humidity, and CO2 concentration; to recover temperature and humidity without overshoot; and to control contamination.