Automated Liquid Handling

Stations

Class of devices that can include automated pipetting systems as well as microplate washers) dispense and sample liquids in tubes or wells and are often integrated as automated injection modules as the front end of liquid chromatographic systems.

- Protein crystallization
- In-gel digestion
- Protein precipitation,
- Protein purification



UV-Vis-NIR Spectrophotometer

High performance UV-Visible-NIR spectrophotometer with unmatched photometric performance in the 175-1800 nm range.

Using InGaAs detection for improved linearity the Cary 6000i is the ultimate tool for materials science research.



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Medical Studies and Scientific Sections

Proteomic Unit



Protein Sunthesis

Proteomic

Proteomics studies the structure and function of proteins, the principal constituents of the protoplasm of all cells.

What is a proteome?

The word "proteome" derived from Proteins expressed by a genome, and it refers to all the proteins produced by an organism, much as if the genome is the entire set of genes.

The human body may contain more than

2 million different proteins, each having different functions.

Researchers and scientists are working on developing a map of the human proteome much like that of the human genome – that identifies novel protein families, protein interactions and signaling pathways.

How Can Proteomics Be Applied

Proteomic technologies will play an important role in drug discovery, diagnostics and molecular medicine because is the link between genes, proteins and disease.

As researchers, study defective proteins that cause particular diseases, their findings will help develop new drugs that either alter the shape of a defective protein or mimic a missing one.





QTOF/LC/MS:

For the scientist who needs to identify, quantify and confirm the broadest range of compounds in the most complex and challenging samples.

Highest quality, most comprehensive qualitative and quantitative information.

