

# PHARMACEUTICAL SECTOR



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# Pharmaceutical Sector

## Physical Measurements

- Dissolution Testers (on-line, off-line, wide range of products)
- Tablet Disintegration Testing / Suppository Testing
- Tablet Hardness Testing
- Ampoule Testing / Tablet Friability Testing / Powder Testing / Leak Testing
- Media preparation station / Degassing system
- Laser Particle Size and Particle Shape Analyzer
- Nanoparticle Size and Zeta Potential Analyzer
- Electrophoretic Light Scattering (ELS) / Static Light Scattering (SLS)
- Laser Diffraction / Dynamic Light Scattering (DLS) / Dynamic Image Analysis
- Viscometers / Texture analyzers
- Osmometers
- Tube Crush tester - packaging control, Sealing tester / Torque tester
- Packaging control vacuum tests, or pressurisation tests for airtravels
- Stability Chambers / Dynamic climate chambers
- Ultra-low temperature freezers
- Vacuum drying chambers - ATEX Vacuum chambers
- Drying and heating chambers / Incubators/ CO2 Incubators



## Chemical Analysis

- HPLC High Performance Liquid Chromatograph - UHPLC System / Semi-Prep HPLC System / Amino acid analyzer / GPC/SEC System / Sample Preparation/Introduction
- Gas Chromatography -GC System / Sample Preparation/Introduction
- Chromatography consumables ( HPLC columns, GC columns, accessories, SPE, PUF, reference standards)
- Radio analysis - Radio-TLC / Radio-HPLC / Radio-detectors
- Radio Synthesis - Radio - Metal Peptide Synthesis Modules
- Endotoxine determination
- Radiopharmaceuticals such as 18F-FDG, 18F-FLT, 18F-FET, 18F- FEC, 18F-FBB, 99mTC, 68GA, 99mTC from kits
- UV -Vis Spectrophotometer / FTIR
- Atomic Absorption / Atomic Fluorescence / Flame Photometer
- Electrochemistry instruments (pH-meters, conductivity meters, multiparameters) - CONSORT



## General Laboratory Equipment

- Circulation thermostats / Process Thermostats - LAUDA
- Refractometers / Polarimeters / Density Meters / Melting Point Meters
- Safety Cabinets for chemicals / flammables / inflammables / radioactives
- Safety Cabinets for gas cylinders / Safety Cabinets for Lithium safe
- Radiation Protection - Class A Isolators - Hot Cells / Shielded Laminar Air Flow / Shielded Cabinets
- RO water systems / Ultra Pure Water Systems
- Analytical Balances / Laboratory Balances / Industrial scales / Test Weights
- Data Loggers (Temperature, Humidity, Pressure)
- Ultrasonic Baths / Ultrasonic cleaners
- Centrifuges (Microlitre, Universal, High-Speed, Large-Volume, Filtration, Compact, Cooling)
- Laboratory Fridges, Laboratory washers - SMEG

## Pilot production for R&D

- Blending, Mixing, Homogenization & kneading
- Particle Size Reduction / Enlargement
- Filling Dosing / Sieving & Sorting
- Tablets Finishing
- Mini Tableting / Mini Capsulation

