



BPI Quality Control Laboratory

A High Standard For a Healthier World



BPI quality Control laboratory is one of the largest labs in the Middle East. It is key for pharmaceutical, biopharmaceutical and medical devices production control.



The laboratory accommodates cutting- edge quality control units to ensure product high quality.

- ▶ Microbiological Laboratories
- ▶ Bio-Analytical (Biotechnology) laboratories
- ▶ Analytical Laboratories
- ▶ Chemical Laboratories
- ▶ Stability Chambers
- ▶ Cephalosporin Laboratories
- ▶ Cytotoxic Laboratories
- ▶ Research & Development Laboratories



BPI purpose - built laboratories are fully equipped to analyze each product in accordance with the international standards.

- ▶ 18 High Performance Liquid Chromatography (HPLC) equipped with DAD, UV-Visible and refractive index detectors
- ▶ Fourier Transform Infrared (FTIR) Spectrometer
- ▶ UV-Visible Spectrophotometer
- ▶ Gas Chromatography (GC) equipped with FID detector
- ▶ Volumetric Karl Fischer Titrator
- ▶ 3 Biological Safety Cabinet - Laminar Flow
- ▶ Disintegration Tester
- ▶ Total Organic Carbon Analyzer (TOC)
- ▶ Polarimeter
- ▶ Refractometer
- ▶ Friability Tester
- ▶ 5 Incubators
- ▶ 3 Autoclaves
- ▶ 5 Dissolution Testers
- ▶ Colony counter
- ▶ Microscope
- ▶ Heating Block
- ▶ 2 Air Samplers
- ▶ Multi-DOF*
- ▶ Steritester



* In collaboration with LAU

BPI trained and experienced team that consists of chemists, biochemists, microbiologists and laboratory scientists follow BPI set of procedures in accordance with the international guidelines:

- ▶ Current Good Manufacturing Practices (cGMP)
- ▶ International Conference on Harmonization (ICH)
- ▶ U.S Pharmacopeial Convention (USP)
- ▶ European Pharmacopoeia (EP)
- ▶ Good Laboratory Practices (GLP)



The experienced BPI personnel perform advanced Testing Processes.

- ▶ Potency, Purity and Identity testing of Biotech Products
- ▶ Sterility Testing
- ▶ Bacterial Endotoxin Testing
- ▶ Microbiological Method Development and Validation
- ▶ Equipment Qualification
- ▶ Environmental Microbiology Monitoring
- ▶ Microbial Limit Tests
- ▶ Analytical Method Development and Validation
- ▶ Physical Characterization
- ▶ Dissolution and In-Vitro Comparison
- ▶ Assay and Impurities Testing



Our Collaboration

Benta also has developed joint ventures with leading international scientific corporations, industrial research institutes and prestigious universities for mutual research development and cooperation such as:





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