



## Instrumentation – Milan, Italy

### Liquid Chromatography

Agilent HPLC	24
Waters HPLC	4
Waters UPLC	1
Agilent UPLC 1260	1
Agilent Automatic Fraction Collector Preparative 1260 Infinity	1
Evaporative Light Scattering (ELSD)	4
Ultraviolet (UV-DAD-MWD)	24
Refractive Index (RI)	6
Fluorescence (FL)	1
Dionex ICS-5000/3000/1000 Ion Chromatographs (IC)	3

### Gas Chromatography

Agilent GCs	12
Agilent Headspace Autosamplers	9
Thermal Energy Analyser (TEA)	1
Flame Ionization Detectors (FID)	11
Thermal Conductivity Detectors (TCD)	4
Nitrogen Phosphorus Detector (NPD)	1
Electron Capture Detector (ECD)	1

### Mass Spectrometry

AbSciex 4000 Q TRAP	1
Agilent LC/MS – Q-TOF	3
Agilent LC/MS QQQ, Triple Quadrupole 6400 Series	1
Agilent GC/MS	7

### Elemental Analysis

Perkin Elmer Optima 2000 DV Inductively Coupled Plasma (ICP-OES) Spectrophotometer	1
Perkin Elmer PinAAcle 900 Flame/Furnace Atomic Absorption Spectrometer	1
Perkin Elmer Analyst 400 Flame Atomic Absorption Spectrometer	1
Agilent 7700X ICP-MS Agilent	2
Agilent ICP-OES 5100 Agilent	1

### Dissolution

Pharmatest Dissolution Baths	4
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### Spectrophotometry

Perkin Elmer FT/IR Spectrum Two	2
Perkin Elmer Lambda 35 UV	2
Shimadzu UV-2600 Thermostatic Control	1
Shimadzu UV-Mini-1240	1
Biotek ELX 808	2
Agilent UV Cary go 60	1



### Microbiology

Microbiology laboratories with controlled access, equipped with HEPA filtration and BSL2 capabilities	2
Microbiology laboratories with controlled access, equipped with HEPA filtration class A for Sterility	1
Microbiology laboratories with controlled access, equipped with HEPA filtration class D for non sterile products	3
Biohazard Cabinets	34
Laminar Flow Cabinets	17
Safety Weighing Cabinets	2
CO <sub>2</sub> Incubators	11
Millipore Integral Steritest™ Systems for Membrane Filtration	2
Applied Biosystem Genetic Analyzers	3
HIAC/Royco Particle Counters	2
Biotek Kinetic Systems for Performing Kinetic Turbidimetric/Chromogenic Endotoxin Tests	2
BactAlert 3D Dual T for Fast Sterility on Cellular Products	1
7300 Real Time PCR Systems	3
Ultra Centrifuge	1

### Stability

Stability Chambers 1,5 Cubic Meter	8
Stability Chamber 0,26 Cubic Meter	1
Stability Chambers 0,75 Cubic Meter (Inflammables)	5
Walk in Stability Chambers	3

### Miscellaneous

Coulometric KF Systems	2
Polarimeters	2
Electronic Titrators	2
Micribiological Air Samplers	7
TOC Analyzers	3
Osmometers	3
Oxygen Analyzer Servomex	1
Panlab Temperko	1
Particle Size Analyzer Malvern	1
Refractometer	1
Rheometer Anton Paar MCR72	1
Viscometers	2
Volumetric Karl Fischer (KF) Systems	2

### Metrology

Full-time metrologists for rooms, hood, incubators validation	2
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## Instrumentation – Siena, Italy

### Liquid Chromatography

Agilent HPLC	4
Shimadzu HPLC	2
Waters HPLC	1
Waters UPLC	1
Ultraviolet (UV-DAD-MWD)	8
Fluorescence (FL)	1
Dionex ICS-1000 Ion Chromatographs (IC)	1

### Gas Chromatography

Agilent GCs	2
Headspace Autosamplers	2
Flame Ionization Detector (FID)	2
Thermal Conductivity Detector (TCD)	1

### Dissolution

Dissolution Bath	3
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### Spectrophotometry

Perkin Elmer Lambda 25 UV	2
Biotek EL 800	1
Thermo Scientific Nicolet 380	1

### Microbiology

Microbiology laboratories with controlled access, equipped with HEPA filtration class D for non sterile products	1
Biohazard Cabinets	3
Laminar Flow Cabinets	2

### Stability

Stability Chambers 0.5 Cubic Meter	4
Walk in Stability Chamber	1

### Miscellaneous

Volumetric Karl Fischer (KF) Systems	1
Polarimeter	1
Refractometer	1
Viscometers	1
TOC Analyzer	1
Photo Stability Chamber	1