



Instrumentation – Netherlands

Liquid Chromatography

	Total	PROXY	Spinnovalt	MicroSafe	Bactimm
Waters Alliance 2695 HPLC	16	16	-	-	-
Waters 717 HPLC	2	2	-	-	-
Dionex Ultimate 3000 HPLC	5	5	-	-	-
Thermo Scientific (U)HPLC	1	1	-	-	-
Agilent 1100 HPLC	2	2	-	-	-
Agilent 1200 HPLC	2	-	2	-	-
Waters Acquity UPLC	8	6	2	-	-
HPLC Detectors (Waters)					
Ultraviolet (UV)	16	16	-	-	-
Photodiode Array (PDA)	4	4	-	-	-
Refractive Index (RI)	3	3	-	-	-
Fluorescence (FL)	1	1	-	-	-
Conductivity (Cond)	3	3	-	-	-
UPLC Detectors (Waters)					
Ultraviolet (UV)	3	3	-	-	-
Photodiode Array (PDA)	6	4	2	-	-
Evaporative Light Scattering (ELSD)	1	1	-	-	-
HPLC Detectors (Thermo/Dionex)					
Ultraviolet (UV)	6	6	-	-	-
Photodiode Array (PDA)	1	1	-	-	-
Refractive Index (RI)	1	1	-	-	-
Fluorescence (FL)	1	1	-	-	-
HPLC Detectors (Agilent)					
Ultraviolet (UV)	2	-	2	-	-
Photodiode Array (PDA)	2	2	-	-	-

Gas Chromatography

Agilent GC-FID with Liquid and Headspace Autosamplers	2	2	-	-	-
Agilent GC-FID with Liquid Autosamplers	2	2	-	-	-
Interscience GC-FID with Headspace Autosampler	1	1	-	-	-

Mass Spectrometry

Agilent GC-MS with Liquid and Headspace Autosamplers	1	1	-	-	-
Waters Xevo TQ-MS	1	1	-	-	-
Waters Xevo Q-TOF-MS	2	1	1	-	-
Bruker MicroTOF	1	-	1	-	-

Capillary Electrophoresis

Beckman PA 800 Plus	1	1	-	-	-
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Elemental Analysis

Perkin Elmer PinAAcle 900T AAS	1	1	-	-	-
Agilent 7100 ICP-OES Spectrometer	1	-	1	-	-



	Total	PROXY	Spinnovation	MicroSafe	Bactimm
NMR Spectroscopy					
Bruker Avance 3 (500 MHz) Liquid NMR	2	-	2	-	-
Bruker Avance 3 (400 MHz) Liquid NMR	1	-	1	-	-
Bruker Avance 1 (400 MHz) Solid State NMR	1	-	1	-	-
Spark Holland Prospekt 2 (LC-SPE-NMR)	1	-	1	-	-
Dissolution					
Dissolution Apparatus (type 1, 2, 5, 6)	14	14	-	-	-
Spectrophotometry					
Fluorescence Spectrophotometer	1	1	-	-	-
FT-IR Spectrophotometers	3	3	-	-	-
UV-Vis Spectrophotometers	5	3	-	2	-
PANalytical Empyrean XRPD	1	-	1	-	-
Molecular Biology/Cell Biology/Virology					
(Q-)PCR	3	-	-	3	-
Plate Readers	4	1	-	2	1
Sequencer	1	-	-	1	-
Electrophoresis Units	4	-	-	4	-
Bruker Microflex MALDI-TOF	1	-	-	-	1
Meso Scale Discovery (MSD)	1	-	-	1	-
Microbiology					
Air Samplers	7	1	-	4	2
Autoclaves	7	1	-	3	3
Clean Rooms	11	1	-	1	9
Stuart Colony Counters	3	-	-	3	-
Isolators	2	-	-	2	-
LAF-Cabinets	27	3	-	20	4
Sterility Testers	5	-	-	2	3
Microscopes	20	6	-	13	1
Stability/Storage					
Climate rooms 2-8 °C	3	2	-	1	-
Climate rooms 25 °C / 60 %RH	2	2	-	-	-
Climate rooms 30 °C / 75 %RH	2	2	-	-	-
Climate rooms 40 °C / 75 %RH	1	1	-	-	-
Climate Cabinets (various conditions)	9	9	-	-	-
Incubators (various condition)	73	2	-	59	12
Refrigerators	33	8	1	22	2
Freezers -20 °C	30	9	1	19	1
Freezers -80 °C	16	4	-	11	1
Xenotest Suntest	1	1	-	-	-
Miscellaneous					
Liquid Particle Counters (Hiac)	2	1	-	1	-
Optical Activity Meters (Polarimeter)	2	2	-	-	-
Conductivity Meter	1	1	-	-	-
Density Meter	2	1	-	1	-
Disintegration Testers	4	4	-	-	-
Friability Testers	4	4	-	-	-
Hardness Testers	2	2	-	-	-



Miscellaneous (cont.)	Total	PROXY	Spinovation	MicroSafe	Bactimm
Powder (Bulk) Density Tester	1	1	-	-	-
Sieve Particle Size Testers	2	2	-	-	-
Shimadzu Total Organic Carbon (TOC)	2	2	-	-	-
Malvern Mastersizer 2000	1	1	-	-	-
Osmolality Meters	2	1	-	1	-
Metrohm 756 KF Coulometers	3	3	-	-	-
pH Meters	9	4	-	4	1
Pycnometers	8	8	-	-	-
Shear Tester	1	1	-	-	-
Ubbelohde Static Viscosity Meter	1	1	-	-	-
Brookfield Dynamic Viscosity Meter	1	1	-	-	-
Refractive Index Meter	1	1	-	-	-
Dynamic Vapor Sorption Analyzer (SMS DVS-1)	1	-	1	-	-
Differential Scanning Calorimeter (DSC TA 250)	1	-	1	-	-
Thermo Gravimetric Analyzer (TGA TA 5500)	1	-	1	-	-
Desaga DS20 TLC Plate Reader	2	2	-	-	-
Melting Point Testers	2	2	-	-	-
Metrology					
Pressure Meters	2	1	-	1	-
Flow Meters	1	1	-	-	-
CO ₂ Meters	2	-	-	2	-
O ₂ Meters	2	-	-	2	-
Hartech BFG 200N Power Meter	1	-	-	-	1
Lux Meters	2	1	-	1	-
Tachometers	2	2	-	-	-