

Leverancier (contactpersoon)	System	Type massa-analysyr	Mass (m/z)-range	LC-MS interfaces	Data-acquisition and Data-processing Software	Compatibility in control of LC-systems	Remarks
Agilent Technologies (Martin Haex, afd. LSCA)	Agilent-6110/6120/6130/6140 LC-MS single quad	Single quad	2-3000 AMU	ESI, nano ESI, APCI, APPI, Multi Mode ESI/APCI, chip LC, DART	LC/MSD, Agilent-3D LC ChemStation Masshunter Qualification and Quantification	Agilent 1100/1200/1200SL/1290 UHPLC LC and CE system	Scan Mode: 50 pg 100:1 RMS SIM Mode: 1 pg 100:1 RMS. Automatic broadband autotune. Scanspeed up to 10.000 amu/sec
Agilent Technologies (Martin Haex, afd. LSCA)	Agilent-6224 LC-MS-TOF	TOF	25-20.000 AMU	ESI, nano ESI, APCI, APPI, API MALDI; Multi Mode ESI/APCI; Chip LC, DART	LC/MS Masshunter software incl. acquisition, qualification and quantification sw. Databases Massprofiler Bioconfirm Spectrummill	Agilent 1100/1200/1200SL/1290 UHPLC LC and CE system	Mass accuracy better than 2 ppm and resolving power >20000 Sensitivity 10 pg reserpine S/N 30:1 Speed: up to 20 scans/sec. Automatic broadband autotune. Dynamic range 5.0 orders
Agilent Technologies (Martin Haex, afd. LSCA)	Agilent-6230 LC-MS-TOF	TOF	25-20.000 AMU	Jet Stream Technology, ESI, nano ESI, APCI, APPI, API MALDI; Multi Mode ESI/APCI; Chip LC, DART	LC/MS Masshunter software incl. acquisition, qualification and quantification sw. Databases Massprofiler Bioconfirm Spectrummill	Agilent 1100/1200/1200SL/1290 UHPLC LC and CE system	Mass accuracy better than 2 ppm and resolving power >20000 Sensitivity 2 pg reserpine S/N 40:1. Speed: up to 20 spectra/sec. Automatic broadband autotune. Dynamic range 5.0 orders.
Agilent Technologies (Martin Haex, afd. LSCA)	Agilent 6520 LC MS QTOF	QTOF	20-20.000	ESI, nano ESI, APCI, APPI, API MALDI; Multi Mode ESI/APCI; Chip LC, DART	LC/MS Masshunter software incl. acquisition, qualification and quantification sw. Databases Massprofiler Bioconfirm Spectrummill	Agilent 1100/1200/1200SL/1290 UHPLC LC and CE system	Mass accuracy better than 2 ppm and resolving power >20.000 Sensitivity 5 pg reserpine S/N 50/1 MS/MS. Speed up to 10 scans/sec in TOF mode and 1MS and 10 MS/MS scans/sec in QTOF mode. Automatic broadband autotune. Dynamic range 5.0 orders
Agilent Technologies (Martin Haex, afd. LSCA)	Agilent 6530 LC MS QTOF	QTOF	25-20.000	Jet Stream Technology, ESI, nano ESI, APCI, APPI, API MALDI; Multi Mode ESI/APCI; Chip LC, DART	LC/MS Masshunter software incl. acquisition, qualification and quantification sw. Databases Massprofiler Bioconfirm Spectrummill	Agilent 1100/1200/1200SL/1290 UHPLC LC and CE system	Mass accuracy better than 2 ppm and resolving power >20.000 Sensitivity 1 pg reserpine S/N 50/1 MS/MS. Speed up to 10 scans/sec in TOF mode and 1MS and 10 MS/MS scans/sec in QTOF mode. Automatic broadband autotune. Dynamic range 5.0 orders
Agilent Technologies (Martin Haex, afd. LSCA)	Agilent 6538 LC MS QTOF	QTOF	25-10.000	ESI, nano ESI, APCI, APPI, API MALDI; Multi Mode ESI/APCI; Chip LC, DART	LC/MS Masshunter software incl. acquisition, qualification and quantification sw Databases Massprofiler Bioconfirm Spectrummill	Agilent 1100/1200/1200SL/1290 UHPLC LC and CE system	Mass accuracy better than 700ppb and resolving power >40.000 Sensitivity 10 pg reserpine S/N 50/1 MS/MS. Speed up to 10 scans/sec in TOF mode and 1MS and 10 MS/MS scans/sec in QTOF mode. Automatic broadband autotune. Dynamic range 5.0 orders

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Agilent Technologies (Martin Haex, afd. LSCA)	Agilent 6540 LC MS QTOF	QTOF	25-10.000	Jet Stream Technology, ESI, nano ESI, APCI, APPI, API MALDI; Multi Mode ESI/APCI; Chip LC, DART	LC/MS Masshunter software incl. acquisition, qualification and quantification sw Databases Massprofiler Bioconfirm Spectrummill	Agilent 1100/1200/1200SL/1290 UHPLC LC and CE system	Mass accuracy better than 700 ppb and resolving power >40.000 Sensitivity 2 pg reserpine S/N 50/1 full scan. Speed up to 10 scans/sec in TOF mode and 1MS and 10 MS/MS scans/sec in QTOF mode. Automatic broadband autotune. Dynamic range 5.0 orders
Agilent Technologies (Martin Haex, afd. LSCA)	Agilent 6410 LC MS Triple Quad	Triple Quad.	15-2000	ESI, nano ESI, APCI, APPI, Multi Mode ESI/APCI, Chip LC, DART	LC/MS Masshunter software incl. acquisition, qualification and quantification sw. Optimizer sw for small molecules and peptides	Agilent 1100/1200/1200SL/1290 UHPLC LC and CE system	Sensitivity 1 pg reserpine in MRM S/N>150/1. Dwell times 5-500 msec. Scan Modes: MS scan; MS Sim; MS/MS production scan; MRM; Dynamic MRM; MS/MS neutral loss; Parent ion scan. Automatic broadband autotune.
Agilent Technologies (Martin Haex, afd. LSCA)	Agilent 6460 LC MS Triple Quad	Triple Quad.	15-3000	Jet Stream Technology, ESI, nano ESI, APCI, APPI, API MALDI; Multi Mode ESI/APCI; Chip LC, DART	LC/MS Masshunter software incl. acquisition, qualification and quantification sw. Optimizer sw for small molecules and peptides	Agilent 1100/1200/1200SL/1290 UHPLC LC and CE system	Sensitivity 1 pg reserpine in MRM S/N>1000/1. Dwell times 1-500 msec. Scan Modes: MS scan; MS Sim; MS/MS production scan; MRM; Dynamic MRM; MS/MS neutral loss; Parent ion scan. Automatic broadband autotune.
Agilent Technologies (Martin Haex, afd. LSCA)	Agilent 6430 LC MS Triple Quad	Triple Quad.	15-3000	ESI, nano ESI, APCI, APPI, API MALDI; Multi Mode ESI/APCI; Chip LC, DART	LC/MS Masshunter software incl. acquisition, qualification and quantification sw. Optimizer sw for small molecules and peptides	Agilent 1100/1200/1200SL/1290 UHPLC LC and CE system	Sensitivity 1 pg reserpine in MRM S/N>300/1. Dwell times 1-500 msec. Scan Modes: MS scan; MS Sim; MS/MS production scan; MRM; Dynamic MRM; MS/MS neutral loss; Parent ion scan. Automatic broadband autotune.
Applied Biosystems (R.Poodt)	API-2000 TM LC/MS/MS System	triple-quadrupool	1800	(Micro- en Turbo-) Ionspray TM , APCI, Nanospray TM , PhotoSpray TM	ANALYST TM (Windows 2000/XP), with IDA (Information Dependent Acquisition). Cliquid with iMethods, DiscoveryQuant, LightSight, MRMPilot, MultiQuant, MarkerView	Applied Biosystems Tempo LC Systems, PE Series 200 and Flexar, Agilent Series 1100/1200 RR and Cap/nanoLC, Shimadzu LC-10A and LC-8A, Prominence LC20 (UFLC-XR), Gilson Autosamplers, CTC Pal autosamplers, Harvard Syringe pump, Spark LC-en SPE-systems, Dionex Ultimate, Famos and Switsos, Waters UPLC, Jasco X-LC, Eksigent NanoLC-Ultra	MS-MS met LINAC TM botsingscel

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Applied Biosystems (R.Poodt)	API-3200 TM LC/MS/MS System	triple- quadru pool	2000	Turbo VTM source (TurbolonSpray ^R , APCI), DuoSpray TM -source, NanoSpray TM source, PhotoSpray TM source	ANALYST TM (Windows 2000/XP), with IDA (Information Dependent Acquisition). Cliquid with iMethods, DiscoveryQuant, LightSight, MRMPilot, MultiQuant, MarkerView	See API-2000	MS-MS met LINAC TM botsingscel
Applied Biosystems (R.Poodt)	API-4000 TM LC/MS/MS System	triple- quadru pool	3000	Turbo VTM source (TurbolonSpray ^R , APCI), DuoSpray TM -source, NanoSpray TM source, PhotoSpray TM source, FlashQuant TM MALDI source	ANALYST TM (Windows 2000/XP), with IDA (Information Dependent Acquisition). Cliquid with iMethods, DiscoveryQuant, LightSight, MRMPilot, MultiQuant, MarkerView	See API-2000	MS-MS met LINAC TM botsingscel
Applied Biosystems (R.Poodt)	API-5000 TM LC/MS/MS System	triple- quadru pool	1250	Turbo VTM source (TurbolonSpray ^R , APCI), DuoSpray TM -source, NanoSpray TM source, PhotoSpray TM source	ANALYST TM (Windows 2000/XP), with IDA (Information Dependent Acquisition). Cliquid with iMethods, DiscoveryQuant, LightSight, MRMPilot, MultiQuant, MarkerView	See API-2000	MS-MS met LINAC TM botsingscel, Q-Jet TM ion guide technology
Applied Biosystems (R.Poodt)	AB Sciex Triple Quad TM 5500 LC/MS/MS System	triple- quadru pool	1250	Turbo VTM source (TurbolonSpray ^R , APCI), DuoSpray TM -source, NanoSpray TM source, PhotoSpray TM source	ANALYST TM (Windows 2000/XP), with IDA (Information Dependent Acquisition). Cliquid with iMethods, DiscoveryQuant, LightSight, MRMPilot, MultiQuant, MarkerView	See API-2000	MS-MS met Curved LINAC TM botsingscel, Q-Jet II TM ion guide technology
Applied Biosystems (R.Poodt)	QSTAR Elite TM LC/MS/MS System for Proteomics and small molecules	quadru pool- vluchtijd hybride	40000	(Micro- en Turbo-) Ionspray TM , APCI, Nanospray TM , PhotoSpray TM , Ciphergen-source	PROTEINPILOT met PARAGON, ANALYST QS (Windows2000/XP), With IDA (Information Dependent Acquisition). MarkerView	See API-2000	MS-MS met hoog-resolutie in MS2. Met LINAC (PULSAR) TM botsingscel. Massanaauwkeurigheid <3 ppm, differentiele expressie studies, SELDI-analysis, Multiple Charge Separations, hoge scan snelheid
Applied Biosystems (R.Poodt)	QSTAR Elite TM MALDI-LC/MS/MS System for Proteomics and small molecules	quadru pool- vluchtijd hybride	40000	(Micro- en Turbo-) Ionspray TM , APCI, Nanospray TM , PhotoSpray TM , MALDI-source, Ciphergen-source	PROTEINPILOT met PARAGON, ANALYST QS (Windows2000/XP), With tools: IDA (Information Dependent Acquisition). MarkerView	See API-2000	MS-MS met hoog-resolutie in MS2. Met LINAC (PULSAR) TM botsingscel. Massanaauwkeurigheid <5 ppm, differentiele expressie studies, hoge automatisatie graad uitbreidbaar met prep. Robot, SELDI-analysis, Multiple Charge Separations, integratie met CDS TM portal, Opti-TOF

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Applied Biosystems (R.Poodt)	3200 QTRAP TM <i>Metabolite</i> LC-MS/MS System	quadrupole-lineair ion trap hybride	1700	Turbo VTM source (TurbolonSpray R , APCI), DuoSpray TM -source, NanoSpray TM source, PhotoSpray TM source	ANALYST TM (Windows 2000/XP), with IDA (Information Dependent Acquisition). Cliquid with iMethods, DiscoveryQuant, LightSight, MRMPilot, MultiQuant, MarkerView	See API-2000	Triple Quadropool MS/MS gecombineerd met IonTrap MS(n) in een enkel instrument. Uitgebreide Scan functionaliteit:Enhanced MS (EMS) , MS3,Enhanced Resolution (ER), Enhanced Product Ion (EPI), Enhanced Multiply Charged (EMC), Timed Delayed Fragmentation
Applied Biosystems (R.Poodt)	3200 QTRAP TM <i>Proteomics</i> LC-MS/MS System	quadrupole-lineair ion trap hybride	1700	Turbo VTM source (TurbolonSpray R , APCI), DuoSpray TM -source, NanoSpray TM source, PhotoSpray TM source	PROTEINPILOT met PARAGON, ANALYST TM (Windows 2000/XP), with IDA (Information Dependent Acquisition). Cliquid with iMethods, DiscoveryQuant, LightSight, MRMPilot, MultiQuant, MarkerView	See API-2000	Eigenschappen, als hierboven vermeld. Specifiek toegerust op Proteomics toepassingen, inclusief BioMarker Discovery & Validation, PTM analysis, rel. en abs. Quantificatie
Applied Biosystems (R.Poodt)	4000 QTRAP TM <i>Metabolite</i> LC-MS/MS System	quadrupole-lineair ion trap hybride	2800	Turbo VTM source (TurbolonSpray R , APCI), DuoSpray TM -source, NanoSpray TM source, PhotoSpray TM source, FlashQuant TM MALDI source	ANALYST TM (Windows 2000/XP), with IDA (Information Dependent Acquisition). Cliquid with iMethods, DiscoveryQuant, LightSight, MRMPilot, MultiQuant, MarkerView	See API-2000	Triple Quadropool MS/MS gecombineerd met IonTrap MS(n) in een enkel instrument. Uitgebreide Scan functionaliteit:Enhanced MS (EMS) , MS3,Enhanced Resolution (ER), Enhanced Product Ion (EPI), Enhanced Multiply Charged (EMC), Timed Delayed Fragmentation
Applied Biosystems (R.Poodt)	4000 QTRAP TM <i>Proteomics</i> LC-MS/MS System	quadrupole-lineair ion trap hybride	2800	Turbo VTM source (TurbolonSpray R , APCI), DuoSpray TM -source, NanoSpray TM source, PhotoSpray TM source	PROTEINPILOT met PARAGON, ANALYST TM (Windows 2000/XP), with IDA (Information Dependent Acquisition). Cliquid with iMethods, DiscoveryQuant, LightSight, MRMPilot, MultiQuant, MarkerView	See API-2000	Eigenschappen, als hierboven vermeld. Specifiek toegerust op Proteomics toepassingen, inclusief BioMarker Discovery & Validatie, PTM analysis en rel. en abs. Quantificatie

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Applied Biosystems (R.Poodt)	AB Sciex QTRAP TM 5500 <i>Metabolite</i> LC-MS/MS System	quadropole-lineair ion trap hybride	1250	Turbo TM source (TurbolonSpray ^R , APCI), DuoSpray TM -source, NanoSpray TM source, PhotoSpray TM source, Advion NanoMate	ANALYST TM (Windows 2000/XP), with IDA (Information Dependent Acquisition). Cliquid with iMethods, DiscoveryQuant, LightSight, MRMPilot, MultiQuant, MarkerView	See API-2000	Triple Quadropool MS/MS gecombineerd met IonTrap MS(n) in een enkel instrument. Curved LINAC TM botsingscel, Q-Jet II TM ion guide technology. Uitgebreide Scan functionaliteit: Enhanced MS (EMS) , MRM3, Enhanced Resolution (ER), Enhanced Product Ion (EPI), Enhanced Multiply Charged (EMC), Timed Delayed Fragmentation
Applied Biosystems (R.Poodt)	AB Sciex QTRAP TM 5500 <i>Proteomics</i> LC-MS/MS System	quadropole-lineair ion trap hybride	1250	Turbo TM source (TurbolonSpray ^R , APCI), DuoSpray TM -source, NanoSpray TM source, PhotoSpray TM source, Advion NanoMate	PROTEINPILOT met PARAGON, ANALYST TM (Windows 2000/XP), with IDA (Information Dependent Acquisition). Cliquid with iMethods, DiscoveryQuant, LightSight, MRMPilot, MultiQuant, MarkerView	See API-2000	Eigenschappen, als hierboven vermeld. Specifiek toegerust op Proteomics toepassingen, inclusief BioMarker Discovery & Validatie, PTM analysis en rel. en abs. Quantificatie
Bruker Daltonics BV (Patrick van Houts)	HCT	High Capacity Trap	6,000 m/z in extended mode	Ultrasensitive ESI, APCI, on- and offline nanospray, APPI	HyStar LC control, Compass software (acquisition, processing and analysis) MetaboliteTools (metabolite identification) Biotools (protein identification). ClinTox (clinical toxicology)	Bruker EASY-nLC, VWR/Hitachi LaChrom Elite, Advion Nanomate, Agilent 1100/1200/1200RR, Waters UPLC & Alliance, Dionex Ultimate3000, shimadzu	High capacity trap powered by patented Smart ICC. Fast HCT scanning capabilities including mixed modes like PeptideScan TM • Low picogram MS and MS/MS sensitivity

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Bruker Daltonics BV (Patrick van Houts)	amaZone X	Dual funnel ion trap	to 3,000 with a maximum scan speed of 52,000 u/sec with 0.58 u resolution; 6,000 m/z in extended mode. Resolution up to 20000 FWHM!	Ultrasensitive ESI, APCI, on- and offline nanospray, APPI, CE-MS with grounded needle	HyStar LC control, Compass software; Librarysearch, Intelligent feed back experiments within Proteineer™ and MetaboliteTools™; MetaboliteTools™, BioTools™/RapiDeNovo™ software for protein data interpretation, ProteinScape™ database system for proteome project management, ACD/MS Manager™ for structural interpretation and classification, Compass Security Pack for work in regulated environments, Compass OA/QC: Web-based guided use of LCMS systems for walk-up users; ClinTox	Bruker EASY-nLC, VWR/Hitachi LaChrom Elite, Advion Nanomate, Agilent 1100/1200/1200RR, Waters UPLC & Alliance, Dionex Ultimate3000, Dionex RSLC, shimadzu	Dual ion funnel for highest sensitivity, Zero Delay Alternating: polarity switching at 20 Hz acquisition rate, XtremeScan: 52000 u/sec, mass accuracy +/- 0.15 u (UltraScan resolution full scan mode 20000FWHM) Patented SmartICC™ for optimal ion storage. SmartFrag™ for reproducible spectra in MS/MS library search; Panorama fragmentation (PAN): CID fragmentation technique without 1/3 cut-off
Bruker Daltonics BV (Patrick van Houts)	amaZone ETD	Dual funnel ion trap with ETD/PTR technology	to 3,000 with a maximum scan speed of 52,000 u/sec with 0.58 u resolution; 6,000 m/z in extended mode. Resolution up to 20000 FWHM!	Ultrasensitive ESI, APCI, on- and offline nanospray, APPI, CE-MS with grounded needle	HyStar LC control, Compass software (acquisition, processing and analysis) librarysearch, Intelligent feed back experiments within Proteineer™ and MetaboliteTools™; MetaboliteTools™; BioTools™/RapiDeNovo™; ProteinScape™; ACD/MS Manager™; Compass Security Pack; Compass OA/QC: Web-based guided use of LCMS systems for walk-up users	Bruker EASY-nLC, VWR/Hitachi LaChrom Elite, Advion Nanomate, Agilent 1100/1200/1200RR, Waters UPLC & Alliance, Dionex Ultimate3000, Dionex RSLC, shimadzu	New generation ETD/PTR fragmentation. Dual ion funnel for highest sensitivity, Zero Delay Alternating: polarity switching at 20 Hz acquisition rate, XtremeScan: 52000 u/sec, mass accuracy +/- 0.15 u (UltraScan resolution full scan mode 20000FWHM) Patented SmartICC™ for optimal ion storage. SmartFrag™ for reproducible spectra in MS/MS library search; Panorama fragmentation (PAN): CID fragmentation technique without 1/3 cut-off;

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Bruker Daltonics BV (Patrick van Houts)	SolariX 70	hybrid Qh-FTMS 7.0T	100-10,000 m/z (transmission with Rf only); 100-6,000 m/z (mass selective); < 1.0 ppm m/z range 100-1500 (internal); < 1.5 ppm, m/z 100-1500 (external), resolution > 1,000,000;	ESI, APCI, on- and off-line nanospray, APPI; Apollo™ II ESI Source with dual ion funnel technology	HyStar LC control, Compass software; solariX control (acquisition, processing and analysis) MetaboliteTools; Biotoools; Profile Analysis (metabolomics), Proteinscape.	Bruker EASY-nLC, VWR/Hitachi LaChrom Elite, Advion Nanomate, Agilent 1100/1200/1200RR, Waters UPLC & Alliance, Dionex Ultimate3000, Dionex RSLC, shimadzu	<ul style="list-style-type: none"> • ETD source for electron transfer dissociation • Integrated syringe pump, ESI spray chamber with grounded off-axis sprayer • Qh Interface for MS/MS, LC-MS/MS and CASI™ • Advanced multipole ion injection system and UHV vacuum system with single pulsed valve • Compensated detection cell with MSn capabilities • Hollow cathode ECD device for electron transfer dissociation • IPSO™ - fully computer controlled data acquisition system supporting data set sizes up to 32 Mword
Bruker Daltonics BV (Patrick van Houts)	SolariX 9.4	hybrid Qh-FTMS 9.4T	100-10,000 m/z (transmission with Rf only); 100-6,000 m/z (mass selective); < 1.0 ppm m/z range 100-1500 (internal); < 1.5 ppm, m/z 100-1500 (external), resolution > 1,000,000;	ESI, APCI, on- and off-line nanospray, APPI; Apollo™ II ESI Source with dual ion funnel technology	HyStar LC control, Compass software; solariX control; MetaboliteTools; Biotoools; Profile Analysis; Proteinscape.	Bruker EASY-nLC, VWR/Hitachi LaChrom Elite, Advion Nanomate, Agilent 1100/1200/1200RR, Waters UPLC & Alliance, Dionex Ultimate3000, Dionex RSLC, shimadzu	See: Bijzonderheden SolariX 7.0
Bruker Daltonics BV (Patrick van Houts)	SolariX 120	hybrid Qh-FTMS 12.0T	100-10,000 m/z (transmission with Rf only); 100-6,000 m/z (mass selective); < 0.3 ppm m/z range 100-1500 (internal); < 0.8 ppm, m/z 100-1500 (external), resolution > 2,000,000	ESI, APCI, on- and off-line nanospray, APPI; Apollo™ II ESI Source with dual ion funnel technology	HyStar LC control, Compass software; solariX control; MetaboliteTools; Biotoools; Profile Analysis; Proteinscape.	Bruker EASY-nLC, VWR/Hitachi LaChrom Elite, Advion Nanomate, Agilent 1100/1200/1200RR, Waters UPLC & Alliance, Dionex Ultimate3000, Dionex RSLC, shimadzu	See: Bijzonderheden SolariX 7.0

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Bruker Daltonics BV (Patrick van Houts)	SolariX 150	hybrid Qh-FTMS 15.0T	100-10,000 m/z (transmission with Rf only); 100-6,000 m/z (mass selective); < 0.25 ppm m/z range 100-1500 (internal); < 0.6 ppm, m/z 100-1500 (external), resolution > 2,500,000	ESI, APCI, on- and off-line nanospray, APPI; Apollo™ II ESI Source with dual ion funnel technology	HyStar LC control, Compass software; solariX control; MetaboliteTools; Biotools; Profile Analysis; Proteinscape.	Bruker EASY-nLC, VWR/Hitachi LaChrom Elite, Advion Nanomate, Agilent 1100/1200/1200RR, Waters UPLC & Alliance, Dionex Ultimate3000, Dionex RSLC, shimadzu	See: Bijzonderheden SolariX 7.0
Bruker Daltonics BV (Patrick van Houts)	MicrOTOF II / MicrOTOF II focus	electrospray time-of-flight ESI-TOF	50-20,000 m/z, mass accuracy < 2 ppm with internal calibrant; < 5 ppm with external calibrant	ESI, APCI, multimode ESI&APCI, on- and offline nanospray, APPI, AP-MALDI, GC/APCI, APLI, CE-MS	HyStar LC control, Compass software; MetaboliteTools; Target Analysis (multi-target screening); ProfileAnalysis (profiling and statistical evaluation); Biotools; ProteinScape; integration into Proteineer Proteomics line. SMARTFORMULA . Maximum Entropy Deconvolution (MaxEnt). Open Acces suite.	Bruker EASY-nLC, VWR/Hitachi LaChrom Elite, Advion Nanomate, Agilent 1100/1200/1200RR, Waters UPLC & Alliance, Dionex Ulimite3000, shimadzu	New ADC technology, >10.000 resolution, (optional FOCUS™ >16.500 without compromising sensitivity), True isotope pattern (TIP) combined with exact mass measurements for automated formula determination, benchtop with small footprint, separate rough pump in noise reducing cabinet, temperature compensation, grounded needle (ideal for CE/MS), on-line nanospray, LC-NMR-MS capability with Hystar software
Bruker Daltonics BV (Patrick van Houts)	micrOTOFQ II	electrospray quadrupole time-of-flight Qq-ESI-TOF	TOF mass range 50-20,000 m/z, Q isolation up to 3,000 m/z, Q mass range up to 20,000 m/z; mass accuracy < 2 ppm with internal calibrant; < 5 ppm with external calibrant	Apollo II ion funnel ESI, APCI, multimode ESI&APCI, on- and offline nanospray, APPI, AP-MALDI, GC/APCI, APLI, CE-MS	HyStar LC control, Compass software; MetaboliteTools; Target Analysis; ProfileAnalysis; Biotools; ProteinScape; integration into Proteineer Proteomics line. SMARTFORMULA(3D) . Maximum Entropy Deconvolution (MaxEnt). Open Acces suite.	Bruker EASY-nLC, VWR/Hitachi LaChrom Elite, Advion Nanomate, Agilent 1100/1200/1200RR, Waters UPLC & Alliance, Dionex Ulimite3000, shimadzu	All advantages of the new micrOTOF II technology plus high performance Qq front end. Mass resolution 17,500 (FWHM) at 922 m/z at full sensitivy. Includes innovative ion funnel with patented apollo-II technology for ultrasensitive experiments. SmartFormula 3D (3d characterization of analyte (exact mass, TIP and MS/MS fragment data), hrEIC (high resolution extracted ion chromatogram technology with better than 2 mDa stability on centroid data values over an IC peak)

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Bruker Daltonics BV (Patrick van Houts)	maXis	Ultra-high resolution - electrospray quadrupole time-of-flight ESI QqTOF	TOF mass range 50-20,000 m/z, Q isolation up to 3,000 m/z, Q mass range up to 20,000 m/z; mass accuracy in MS and MS/MS < 1 ppm with internal calibrant; < 2 ppm with external calibrant). ONE calibration valid for MS and MS/MS	Apollo II ion funnel ESI, APCI, multimode ESI&APCI, on- and offline nanospray, APPI, AP-MALDI, GC/APCI, APLI, CE-MS	HyStar LC control, Compass software; MetaboliteTools; Target Analysis; ProfileAnalysis; Biotoools; ProteinScope; integration into Proteineer Proteomics line. SMARTFORMULA(3D) . Maximum Entropy Deconvolution (MaxEnt). Open Acces suite.	Bruker EASY-nLC, VWR/Hitachi LaChrom Elite, Advion Nanomate, Agilent 1100/1200/1200RR, Waters UPLC & Alliance, Dionex Ulimate3000, shimadzu	All advantages of the new microTOF Q II technology . Ultra high resolution (UHR >40 to 60000 FWHM) at 20Hz and full sensitivity; Floor standing, extra long flight tubes, novel hexapole Ion Cooler™ for full width MS/MS sensitivity, ultraprecise orthogonal ion beam focussing, wide dynamic range for quantitation.
Bruker Daltonics BV (Patrick van Houts)	maXis ETD	Ultra-high resolution - electrospray quadrupole time-of-flight ESI QqTOF with ETD fragmentation.	TOF mass range 50-20,000 m/z, Q isolation up to 3,000 m/z, Q mass range up to 20,000 m/z; mass accuracy in MS and MS/MS < 1 ppm with internal calibrant; < 2 ppm with external calibrant). ONE calibration valid for MS and MS/MS	Apollo II ion funnel ESI, APCI, multimode ESI&APCI, on- and offline nanospray, APPI, AP-MALDI, GC/APCI, APLI, CE-MS, ETD.	HyStar LC control, Compass software; MetaboliteTools; Target Analysis; ProfileAnalysis; Biotoools; ProteinScope; integration into Proteineer Proteomics line. SMARTFORMULA(3D) . Maximum Entropy Deconvolution (MaxEnt). Open Acces suite.	Bruker EASY-nLC, VWR/Hitachi LaChrom Elite, Advion Nanomate, Agilent 1100/1200/1200RR, Waters UPLC & Alliance, Dionex Ulimate3000, shimadzu	ETD fragmentation in LC timescale of large peptides, intact proteins and antibodies with exact mass and ultra high resolution in MS and MS/MS mode. Top-down applications like Biopharma QC, identifications of intact proteins and profiling.
Interscience (F. Koudijs)	MSQ Plus	single quadrupool	17-2000; 60° geometrie, 0.2-2 ml/min flowbereik en >12.000 amu/sec scansnelheid	ESI (+/-) en APCI (+/-)	<i>in combinatie met Accela hplc geschikt voor U-HPLC-MS</i>	Xcalibur; Open Access, Discovery, Massfrontier, LC-quant	
JEOL (EUROPE) B.V. (A.J. van der Meer)	Mstation	Magnetische sector, dubbel focuserend	25,000	APCI, ESI, Frit-FAB, nanoflow	Jeol software	Agilent-1090 en 1100	60000 resolutie
JEOL (EUROPE) B.V. (A.J. van der Meer)	AccuTOFLP	TOF	meer dan 10.000	ESI,APCI, Nano Flow, Corona ESI, Cold spray, dual spray, CE-MS	Jeol software (Windows)	Agilent-1200	High Dynamic Range, High Resolution, High Sensitivity
JEOL (EUROPE) B.V. (A.J. van der Meer)	AccuTOF DART	TOF	meer dan 10.000	DART	Jeol software (Windows)		High Resolution, High Dynamic range, Direct Analysis in Real time, no sample preparation
JEOL (EUROPE) B.V. (A.J. van der Meer)	AccuTOFHT	TOF	meer dan 10.000	ESI, APCI,	Jeol software (Windows)	Agilent-1200	High Dynamic Range, High Resolution, High Sensitivity, High throughput
MS Vision (M.S. Sons)	EP10+	Triple Quad		APCI / Turbo ion spray	Analyst	All major manufacturers	Better than Sciex API 3000 performance
MS Vision (M.S. Sons)	EP10+ with HSID	Triple Quad		APCI / Turbo ion spray	Analyst	All major manufacturers	Comparable to Sciex API 4000 performance; UPLC compatible
MS Vision (M.S. Sons)	High-Mass Q-ToF	Q-ToF		APCI / ES	MassLynx	All major manufacturers	Quadrupole mass range 32000 m/z

Leverancier (contactpersoon)	System	Type massa-analysyr	Mass (m/z)-range	LC-MS interfaces	Data-acquisition and Data-processing Software	Compatibility in control of LC-systems	Remarks
MS Vision (M.S. Sons)	Ionics 3Q Molecular Analyzer	Triple Quad	1500	APCI / ES	Molana	All major manufacturers	Dual source, high resolution, very sensitive.
Shimadzu Benelux info@shimadzu.nl	LCMS 2020 preparative LCMS	single-quadrupool with Q-array technology	10-2000	ESI, APCI, APPI, Dual Source	LCMS solutions Vers 5 (windows XP and Vista) & Open Solution web browser	Shimadzu LC-8A, compleet geïntegreerd systeem met optioneel Gilson 215 en CTC besturing	Flow rates: 0,1 tot 150 ml/min, Mass Triggered fractie collector met sample tracking en Open solution(web based software control)
Shimadzu Benelux info@shimadzu.nl	LCMS 2020	single-quadrupool with Q-array technology	10-2000	ESI, APCI, APPI, Dual Source	LCMS solutions Vers 5 (windows XP and Vista) & Open Solution web browser	Shimadzu Prominence LC-20 en Prominence Ultra Fast XR LC compleet geïntegreerd systeem met SILHT high throughput autosampler Rack changer en optioneel Gilson215 en CTC besturing Prominence Micro LC Prominence 2D LC	Fast scan speed 15000 amu/sec fast polarity switching 15msec Sensitivity ESI: Reserpine 1pg S/N(RMS)>150
Shimadzu Benelux info@shimadzu.nl	LC-IT-TOF	Ion trap in combination with a TOF	50 - 5000	ESI, APCI (optioneel) APPI (optioneel) Dual Source Nano source	LCMS solutions vers 3.4 (windows 2000, Xp Vista) & Psi port MS datamanagement; MetID solution; Profiler s/w; Formula Predictor s/w	See: LCMS 2020	High mass accuracy < 5ppm; High mass resolution > 10.000; Precursor ion selection res. >1000; The only LCMS with the combination of ion trap and TOF; 10 spectra / seconde; pos./neg.; MS^n
Thermo Fisher Scientific (P. Derwig)	Thermo Scientific MSQ Plus	single-quadrupool	17-2000	ESI, APCI	Xcalibur (Windows XP)	Surveyor, Accela, Shimadzu, Agilent en Waters (ook Dionex, Spark en CTC)	aQa bron met M-PATH voor buffer robuustheid, snelle scan,+/- en sim in een run, small size
Thermo Fisher Scientific (P. Derwig)	Thermo Scientific LCQ Fleet	ion-trap	50 - 2000	ESI, APCI, APPI, AP Maldi, Nanospray	Xcalibur (Windows XP)	See Thermo Scientific MSQ Plus	MS-MS en MS-MS^n
Thermo Fisher Scientific (P. Derwig)	Thermo Scientific Tox Analyzer	Lineaire Ion-Trap	15-200, 50-2000, 100-4000	ESI,APCI	Xcalibur (Windows XP)	Accela pomp en CTC Autosampler	MS/MS en MS-MS^n
Thermo Fisher Scientific (P. Derwig)	Thermo Scientific LTQ-XL	Lineaire Ion-Trap	15-200, 50-2000, 100-4000	ESI,APCI,APPI,Nanospray, Maldi	Xcalibur (Windows XP)	See Thermo Scientific MSQ Plus	MS/MS en MS-MS^n, dual detector, maximale gevoeligheid.
Thermo Fisher Scientific (P. Derwig)	Thermo Scientific LTQ-Velos	Lineaire Ion-Trap	15-200, 50-2000, 100-4000	ESI,APCI,APPI,Nanospray, Maldi	Xcalibur (Windows XP)	See Thermo Scientific MSQ Plus	MS/MS en MS-MS^n, dual detector, maximale gevoeligheid en snelheid door dual pressure traps
Thermo Fisher Scientific (P. Derwig)	Thermo Scientific TSQ-Quantum Acces Max	triple (TSQ)-quadrupool	10-3000	ESI, APCI,APPI, Nanospray	Xcalibur (Windows XP)	See Thermo Scientific MSQ Plus	Hoge Resolutie op Q1 en Q3 , snelle scantijden tot 1ms per srm
Thermo Fisher Scientific (P. Derwig)	Thermo Scientific TSQ-Quantum Ultra (AM)	triple (TSQ)-quadrupool	10-1500/3000	ESI, APCI,APPI, Nanospray	Xcalibur (Windows XP)	See Thermo Scientific MSQ Plus	Hoge Resolutie op Q1 en Q3, Accurate massa optie beter dan 5 ppm

Leverancier (contactpersoon)	System	Type massa-analysyr	Mass (m/z)-range	LC-MS interfaces	Data-acquisition and Data-processing Software	Compatibility in control of LC-systems	Remarks
Thermo Fisher Scientific (P. Derwig)	Thermo Scientific TSQ-Quantum Vantage (AM)	triple (TSQ)-quadrupole	10-1500/3000	ESI, APCI, APPI, Nanospray	Xcalibur (Windows XP)	See Thermo Scientific MSQ Plus	Hoge Resolutie op Q1 en Q3, maximale gevoeligheid door G2 optics, Accurate massa optie beter dan 5 ppm
Thermo Fisher Scientific (P. Derwig)	Thermo Scientific Exactive	Fourier Transform MS	50-4000	ESI, APCI, APPI, Nanospray, AP Maldi	Xcalibur (Windows XP)	See Thermo Scientific MSQ Plus	All ion MS-MS mogelijkheden met HCD cell (Optioneel), accurate massa in alle modes en Hoge Resolutie (max. 100K).
Thermo Fisher Scientific (P. Derwig)	Thermo Scientific LTQ Orbitrap Discovery	Fourier Transform MS	15-200, 50-2000, 100-4000	ESI, APCI, APPI, Nanospray, AP Maldi	Xcalibur (Windows XP)	See Thermo Scientific MSQ Plus	Hybride MS systeem. Combinatie LTQ Ion Trap met FT detectie. MS-MS ⁿ mogelijkheden, accurate massa in alle modes en Hoge Resolutie (max. 30K).
Thermo Fisher Scientific (P. Derwig)	Thermo Scientific LTQ Orbitrap XL	Fourier Transform MS	15-200, 50-2000, 100-4000	ESI, APCI, APPI, Nanospray, Maldi	Xcalibur (Windows XP)	See Thermo Scientific MSQ Plus	Hybride MS systeem. Combinatie LTQ Ion Trap met FT detectie. MS-MS ⁿ mogelijkheden, accurate massa in alle modes en Hoge Resolutie (max. 100K).
Thermo Fisher Scientific (P. Derwig)	Thermo Scientific Orbitrap Velos	Fourier Transform MS	15-200, 50-2000, 100-4000	ESI, APCI, APPI, Nanospray	Xcalibur (Windows XP)	See Thermo Scientific MSQ Plus	Hybride MS systeem. Combinatie LTQ Ion Trap met FT detectie. MS-MS ⁿ mogelijkheden, accurate massa in alle modes en Hoge Resolutie (max. 100K).
Thermo Fisher Scientific (H. van Cruchten)	DFS Magnetic Sector	Magnetische sector (BE)	2- 6000 Da	ESI, APCI, APPI, Nanospray	Xcalibur (Windows 2000)	See Thermo Scientific MSQ Plus	Opties:GC-MS, DIP en DCI probe,FAB, FD/FI, EI/CI.
Thermo Fisher Scientific (W. Voorhorst)	Finnigan LTQ-FT	Fourier Transform MS (FT-MS)	4000	ESI, APCI, APPI, Nanospray, Maldi	Xcalibur (Windows XP)	See Thermo Scientific MSQ Plus	Hybride MS systeem. Combinatie LTQ Ion Trap met FT detectie. MS-MS ⁿ mogelijkheden, accurate massa in alle modes en zeer Hoge Resolutie (>500K).
Thermo Fisher Scientific (H. van Cruchten)	Delta V (Delta V Plus, MAT253) in combinatie met LC-ISOLINK	magnetische sector	1- 70 (150) da	LC-ISOLINK	ISODAT-Xcalibur (Windows NT)	Surveyor, Accela	Isotoop ratio analyse in combinatie met LC scheiding.
Varian B.V. (M. Pijl)	320 Triple-quadrupole LC/MS/MS	High-end triple-quadrupole	2000	ESI / APCI	MS Workstation 6.9.2	Varian pumps, detectors en autosamplers	Curved Collision cell, Easy to change to GC/MS, build-in syringe pump, diverter valve
Varian B.V. (M. Pijl)	320 Single-quadrupole LC/MS	High-end single-quadrupole & collision cell	2000	ESI / APCI	MS Workstation 6.9.2	Varian pumps, detectors en autosamplers	Curved Collision cell, Easy to change to GC/MS, Can be upgraded to Triple Quad, build-in syringe pump, diverter valve
Varian B.V. (M. Pijl)	310 Triple-quadrupole LC/MS/MS	Standard Triple-quadrupole	2000	ESI / APCI	MS Workstation 6.9.2	Varian pumps, detectors en autosamplers	Curved Collision cell

Leverancier (contactpersoon)	System	Type massa-analysyr	Mass (m/z)-range	LC-MS interfaces	Data-acquisition and Data-processing Software	Compatibility in control of LC-systems	Remarks
Varian B.V. (M. Pijl)	500 LC/MS	IonTrap	2000, met Turbo DDS optie tot 3500	ESI / APCI	MS Workstation 6.9.2	Varian pumps, detectors en autosamplers	Scan snelheid tot 15.000 Da/sec ECC (Enhanced Charge Capacity) Triple resonance scanning Build-in syringe pump / Uitbreiding naar 3500
Waters, Micromass technologies (Mike van Oosterhout).	Single Quadrupole Detector (SQD)	single-quadrupool	2 - 2000 m/z; Scan speed 10000 amu/sec	Z-source met Standaard ESCI, Optional Dedicated probe voor APcl en APPI	Empower based system (stand-alone en netwerk) of MassLynx 4.1 (Windows XP of Windows Vista); Integration with: Rosetta, ACD, nugensis; Options like TargetLynx, Metabolynx, Chromalynx	Acquity UPLC en HPLC Waters 1525, Alliance 2695 en 2795, CapLC, Gilson, Agilent, Shimadzu, Jasco.	MS Detector voor UPLC; Dynolite Photomultiplier Detector; Air Cooled Turbo; Z-spray Dual Orthogonal Interface Source; MassLynx is CFR 21 part 11 compliant ready;
Waters, Micromass technologies (Mike van Oosterhout).	3100 MS Detector	single-quadrupool	2 - 2000 m/z	Z-source met Standaard ESCI, Optional Dedicated probe voor APcl en APPI	Empower based system (stand-alone en netwerk) of MassLynx 4.1 (Windows XP of Windows Vista); Integration with: Rosetta, ACD, nugensis; Options like TargetLynx, Metabolynx, Chromalynx	See SQD	MS Detector for fraction collection HPLC systems UPLC, Scan speed 10000 amu/sec . Dynolite Photomultiplier Detector, Air Cooled Turbo; Z-spray Dual Orthogonal Interface Source.
Waters, Micromass technologies (Mike van Oosterhout).	LCT Premier XE	vluchtijd	20-30000 m/z	Z-source based ; ESI, APcl,ESCI, APPI Nanoflow Picospray en CE-MS interfaces, LockSpray; Multiplexed Electrospray 2,4 of 8 kanaals MUX optie, met Lockmass; ASAP Atmospheric Solids Analysis probe	MassLynx 4.1 (Windows XP of Windows Vista), ; Integration with pd-quest. ACD, nugensis; Options like TargetLynx Proteinlynx global server, Metabolynx, Chromalynx	see SQD	Hybride MS/MS. Massa nauwkeurigheid: beter dan 3 ppm over de massarange 150-900 Daltons. Low Mass Resolutie beter dan better than 10000 (massa 159) Better dan 6000 in V-mode (massa 712) beter dan 12000 in W-mode (massa 712) .
Waters, Micromass technologies (Mike van Oosterhout).	Quattro-Micro	triple-quadrupool	2 - 2000 m/z	Z-source met Standaard ESCI, Optional Dedicated probe voor APcl, APPI en Mux	MassLynx 4.1 (Windows XP of Windows Vista), ; Integration with pd-quest. ACD, nugensis; Options like TargetLynx Proteinlynx global server, Metabolynx, Chromalynx	Acquity UPLC en de nanoAcquity. HPLC systemen:Waters Alliance,Waters 600, Waters Breeze, Agilent 1050, 1090, 1100, 1200, JASCO, Gilson, Shimadzu en specifieke injectoren zoals CTC PAL.	Dynolite Photomultiplier Detector, Air Cooled Turbo; Z-spray Dual Orthogonal Interface Source.

Leverancier (contactpersoon)	System	Type massa-analysyr	Mass (m/z)-range	LC-MS interfaces	Data-acquisition and Data-processing Software	Compatibility in control of LC-systems	Remarks
Waters, Micromass technologies (Mike van Oosterhout).	TQD	triple-quadrupool	2 - 2000 m/z	Z-source met Standaard ESCI, Optional Dedicated probe voor APci, APPI	Empower based system (stand-alone en netwerk) of MassLynx 4.1 (Windows XP of Windows Vista); Integration with: Rosetta, ACD, nugensis; Options like TargetLynx, Metabolynx, Chromalynx	See: Quattro Micro	Dynolite Photomultiplier Detector, Air Cooled Turbo; Z-spray Dual Orthogonal Interface Source. Iontunnel T-wave technology voor botsingcell (lage interchannel en scan delay time); Scan speed 10.000 amu/sec
Waters, Micromass technologies (Mike van Oosterhout).	XEVO TQ MS	triple-quadrupool	2 - 2048 m/z	Z-source based ; New Xevo Z-source ; high flowrate ESI source , Standard with ESCI. Optional with APci; APPI; Nanoflow Picospray; CE-MS; LockSpray; ASAP Atmospheric Solids . Analysis probe; APGC source.	MassLynx 4.1 (Windows XP of Windows Vista) , ; Integration with pd-quest. ACD, nugensis; Options like TargetLynx Proteinlynx global server, Metabolynx, Chromalynx	See: Quattro Micro	Iontunnel T-Wave botsingscel met ScanWave enhanced mode, XEVO Z-spray Dual Orthogonal Ionsource, simultaan opnemen van o.a. full scan en MRM data, MRM triggered (ScanWave enhanced) spectrale aquisitie; Dynolite Photomultiplier Detector
Waters, Micromass technologies (Mike van Oosterhout).	Xevo Qtof	quadrupool-vluchtijd hybride	Exceeding 20000	See: XEVO TQ MS	MassLynx 4.1 (Windows XP of Windows Vista) , ; Integration with pd-quest. ACD, nugensis; Options like TargetLynx Proteinlynx global server, Metabolynx, Chromalynx	See: Quattro Micro	High sensitive Bench-top Hybride MS/MS. Massa naukeurigheid: <2 ppm over de massarange 150-900 Daltons. 10.000 resolution.
Waters, Micromass technologies (Mike van Oosterhout).	Synapt G2 MS	HDMS; Tof-Mode or Mobility-Tof mode	100.000 in V-mode	See: XEVO TQ MS	MassLynx 4.1 (Windows XP of Windows Vista) , ; Integration with pd-quest. ACD, nugensis; Options like TargetLynx Proteinlynx global server, Metabolynx, Chromalynx	See: Quattro Micro	Ms analyser resolution 40.000 (M+6H) ⁶⁺ at 956 bovine insulin; Massa naukeurigheid: < 1 ppm over de massarange 150-900 Daltons, Special Scan functions Mse , mobility DDA.