

Liquid Chromatography Mass Spectrometry

LCMS Consumables



I LCMS-2020

Single Quadrupole Mass Spectrometer



Part Number	Item	Description	3 month	6 month
022-27104-00	Bolt, SUS M6X16	DL Terminal Bolt		
225-15845-91	APCI Capillary Pipe	APCI Pipe Assembly, LCMS-2020, LCMS-8030/40/50/60, 0.08x0.2mm		X
225-15877-92	Corona Needle	Corona Needle, APCI/DUIS, LCMS-2020, TQ, QTOF		X
225-15718-91	DL Assy	LCMS-2020/8030/8040/8045 Desolvation Line Assembly, DL ASSY		X
225-14948-91	ESI Capillary	ESI Capillary ASSEMBLY, LCMS-2020, TQ, QTOF		X
220-91239-00	LCMS Test Mix	LCMS-2020, TQ, Test Standard, Papaverine, PNP, Acetophenone		X
220-91566-10	Oil Filter Element (MF30)	Oil Mist Filter Element for Edwards MF30 only		X
036-11205-00	O-ring	O-RING, ESI Nozzle		X
036-19004-05	O-ring	O-RING, Orifice, Capillary coupling nut		X
228-48607-91	PEEK Frit	PEEK Frit for inline filter, SQ, TQ, QTOF		X
228-33833-91	PEEK Tubing	PEEK Tubing, Red, 0.005" ID x 1/16" OD, 5 ft Roll		X
220-97808-01	Pump Oil	Oil, Rotary Pump, Ultragrade 19, 4L (RV3 & 5)	X	
225-15697-01	Spacer	Spacer, Standard Introduction Unit, LCMS-2020, TQ, QTOF		
225-14985-01	Tune Solution	SQ Tuning Solution		X
220-91246-04	PEEK Tubing	PEEK Tubing, Red, 0.062" OD x 42cm precut with a white ID band		X

Note: These time frames are only suggestions and items may need to be replaced more frequently depending on sample throughput and use

Shop online ~ store.shimadzu.com or call Shimadzu at 800-477-1227

I LCMS-2050

Single Quadrupole Mass Spectrometer



Part Number	Item	Description	3 month	6 month
225-14948-42	Capillary Short	ESI Capillary Assembly, LCMS-2050 Short (Assembly)		X
225-15877-94	Corona Needle	Corona Needle, LCMS-2050		X
225-40160-41	DL Assy	DL Assembly, LCMS-2050		X
036-11214-00	O-ring	Spacer, LCMS0-2050, Standard Introduction Unit		X
036-19004-05	O-ring	O-ring ESI Capillary in LCMS-2050		X
220-97808-01	Pump Oil	Oil, Rotary Pump, Ultra grade 19, 4L (RV3 & 5)	X	X
225-14985-01	Tune Solution	SQ Tuning Solution		X
228-48607-91	PEEK Frit	PEEK Frit for the inline filter, SQ, TQ, QTOF		X
228-33833-91	PEEK Tubing	PEEK Tubing, Red, 0.005" ID x 1/16" OD, 5 ft Roll		X
220-91239-03	Sensitivity Check Standard	Standards, LCMS, Sensitivity Check, Reserpine 1000 pg/ul	X	
220-91239-05	Sensitivity Check Standard	LCMS-2050 Test Standard Acetophenone and 4-Nitrophenol		X
220-91246-04	PEEK Tubing	PEEK Tubing, Red, 0.062" OD x 42 cm precut with a white ID band		X

Note: These time frames are only suggestions and items may need to be replaced more frequently depending on sample throughput and use

I LCMS-8030/8040

Triple Quadrupole Mass Spectrometer



LCMS-8030



LCMS-8040

Part Number	Item	Description	3 month	6 month
022-27104-00	Bolt, SUS M6X16	DL Terminal Bolt		
220-91239-03	8030 Test Standard	LCMS-8030/8040/8045/8050/8060 Test Standard - Reserpine, 1000 pg/uL		X
225-15845-91	APCI Capillary Pipe	APCI Pipe Assembly, LCMS-2020, LCMS-8030/40/50/60, 0.08x0.2mm		X
225-15877-92	Corona Needle	Corona Needle, APCI/DUIS, LCMS-2020, TQ, QTOF		X
225-15718-91	DL Assy	LCMS-2020/8030/8040/8045 Desolvation Line Assembly, DL ASSY		X
225-14948-91	ESI Capillary	ESI Capillary ASSEMBLY, LCMS-2020, TQ, QTOF		X
220-91239-00	LCMS Test Mix	LCMS-2020, TQ, Test Standard, Papaverine, PNP, Acetophenone		X
220-91566-10	Oil Filter Element (MF30)	Oil Mist Filter Element for Edwards MF30 only		X
036-19004-05	O-ring	O-RING, Orifice, Capillary coupling nut		X
036-11205-00	O-ring	O-RING,ESI Nozzle		X
228-48607-91	PEEK Frit	PEEK Frit for inline filter, SQ, TQ, QTOF		X
228-33833-91	PEEK Tubing	PEEK Tubing, Red, 0.005" ID x 1/16" OD, 5 ft Roll		X
220-97808-01	Pump Oil	Oil, Rotary Pump, Ultragrade 19, 4L (RV3 & 5)	X	
225-15697-01	Spacer	Spacer, Standard Introduction Unit, LCMS-2020, TQ, QTOF		
220-91239-30	Tune Solution	TQ Tuning Solution		X
220-91246-04	PEEK Tubing	PEEK Tubing, Red, 0.062" OD x 42 cm precut with a white ID band		X

Note: These time frames are only suggestions and items may need to be replaced more frequently depending on sample throughput and use

Shop online ~ store.shimadzu.com or call Shimadzu at 800-477-1227

I LCMS-8045

Triple Quadrupole Mass Spectrometer



Part Number	Item	Description	3 month	6 month
022-27104-00	Bolt, SUS M6X16	DL Terminal Bolt		
220-91239-03	Sensitivity Check Standard	Standards, LCMS, Sensitivity Check, Resperine 1000 pg/μL		X
225-15845-91	APCI Capillary Pipe	APCI Pipe Assembly, LCMS-2020, TQ, QTOF		X
225-15877-92	Corona Needle	Corona Needle, APCI/DUIS, LCMS-2020, TQ, QTOF		X
225-15718-91	DL Assy	LCMS-2020/8030/8040/8045 Desolvation Line Assembly, DL ASSY		X
225-14948-91	ESI Capillary	ESI Capillary ASSEMBLY, LCMS-2020, TQ, QTOF		X
220-91239-00	LCMS Test Mix	LCMS-2020, TQ, Test Standard, Papaverine, PNP, Acetophenone		X
220-91566-10	Oil Filter Element (MF30)	Oil Mist Filter Element for Edwards MF30 only		X
036-19004-05	O-ring	O-RING, Orifice, Capillary coupling nut		X
228-48607-91	PEEK Frit	PEEK Frit for inline filter, SQ, TQ, QTOF		X
228-33833-91	PEEK Tubing	PEEK Tubing, Red, 0.005" ID x 1/16" OD, 5 ft Roll		X
220-97808-01	Pump Oil	Oil, Rotary Pump, Ultragrade 19, 4L (RV3 & 5)	X	
225-15697-01	Spacer	Spacer, Standard Introduction Unit, LCMS-2020, TQ, QTOF		
220-91239-30	Tune Solution	TQ Tuning Solution		X
220-91246-04	PEEK Tubing	PEEK Tubing, Red, 0.062" OD x 42 cm precut with a white ID band		X

Note: These time frames are only suggestions and items may need to be replaced more frequently depending on sample throughput and use

I LCMS-8050

Triple Quadrupole Mass Spectrometer



Part Number	Item	Description	3 month	6 month
022-27104-00	Bolt, SUS M6X16	DL Terminal Bolt		
220-91239-03	Sensitivity Check Standard	Standards, LCMS, Sensitivity Check, Resperine 1000 pg/μL		X
225-15845-91	APCI Capillary Pipe	APCI Pipe Assembly, LCMS-2020, TQ, QTOF		X
225-15877-92	Corona Needle	Corona Needle, APCI/DUIS, LCMS-2020, TQ, QTOF		X
225-15718-42	DL Assy 2	LCMS-8050 Desolvation Line Assembly, DL ASSY 2		X
225-14948-91	ESI Capillary	ESI Capillary ASSEMBLY, LCMS-2020, TQ, QTOF		X
220-91239-00	LCMS Test Mix	LCMS-2020, TQ, Test Standard, Papaverine, PNP, Acetophenone		X
220-91566-10	Oil Filter Element (MF30)	Oil Mist Filter Element for Edwards MF30 only		X
220-91566-04	O-ring, Edwards Drain Plug	O-Ring, Edwards Rough Pump E2M28 Drain Plug		X
036-19004-05	O-ring	O-Ring, Orifice, Capillary Couping Nut		X
228-48607-91	PEEK Frit	PEEK Frit for inline filter, SQ, TQ, QTOF		X
228-33833-91	PEEK Tubing	PEEK Tubing, Red, 0.005" ID x 1/16" OD, 5 ft Roll		X
220-97808-01	Pump Oil	Oil, Rotary Pump, Ultragrade 19, 4L (RV3 & 5)	X	
225-15697-01	Spacer	Spacer, Standard Introduction Unit, LCMS-2020, TQ, QTOF		
220-91239-30	Tune Solution	TQ Tuning Solution		X
220-91246-04	PEEK Tubing	PEEK Tubing, Red, 0.062" OD x 42 cm precut with a white ID band		X

Note: These time frames are only suggestions and items may need to be replaced more frequently depending on sample throughput and use

Shop online ~ store.shimadzu.com or call Shimadzu at 800-477-1227

I LCMS-8060

Triple Quadrupole Mass Spectrometer



Part Number	Item	Description	3 month	6 month
022-27104-00	Bolt, SUS M6X16	DL Terminal Bolt		
220-91239-03	Sensitivity Check Standard	Standards, LCMS, Sensitivity Check, Resperine 1000 pg/μL		X
225-15845-91	APCI Capillary Pipe	APCI Pipe Assembly, LCMS-2020, TQ, QTOF		X
225-15877-92	Corona Needle	Corona Needle, APCI/DUIS, LCMS-2020, TQ, QTOF		X
225-15718-43	DL Assy 3	LCMS-8060 Desolvation Line Assembly, DL ASSY3		X
225-14948-91	ESI Capillary	ESI Capillary ASSEMBLY, LCMS-2020, TQ, QTOF		X
220-91566-61	Exhaust Filter SV65-120B	Exhaust Filter Cartridge SV65-120B for LCMS-80608060NX		X
220-91239-00	LCMS Test Mix	LCMS-2020, TQ, Test Standard, Papaverine, PNP, Acetophenone		X
220-91566-63	Leybold Pump Oil LVO700	Leybold Rotary Pump Oil LVO700 - 1L	X	
036-19004-05	O-ring	O-RING, Orifice, Capillary coupling nut		X
228-48607-91	PEEK Frit	PEEK Frit for inline filter, SQ, TQ, QTOF		X
228-33833-91	Peek Tubing	PEEK Tubing, Red, 0.005" ID x 1/16" OD, 5 ft Roll		X
225-15697-01	Spacer	Spacer, Standard Introduction Unit, LCMS-2020, TQ, QTOF		X
220-91239-00	Tune Solution	TQ Tuning Solution		X
220-91246-04	PEEK Tubing	PEEK Tubing, Red, 0.062" OD x 42 cm precut with a white ID band		X

Note: These time frames are only suggestions and items may need to be replaced more frequently depending on sample throughput and use

I LCMS-8060NX

Triple Quadrupole Mass Spectrometer



Part Number	Item	Description	3 month	6 month
022-27104-00	Bolt, SUS M6X16	DL Terminal Bolt		
220-91239-03	Sensitivity Check Standard	Standards, LCMS, Sensitivity Check, Resperine 1000 pg/μL		X
225-15845-91	APCI Capillary Pipe	APCI Pipe Assembly, LCMS-2020, TQ, QTOF		X
225-41576-41	Focus Unit Assy	ESI Ion Focus Unit Assy, LCMS-8060NX		X
225-41691-00	Ground Plate	Ground Plate, LCMS-8060NX		X
225-41576-42	DUIS Focus Unit Assy	DUIS Ion Focus Unit Assy, LCMS-8060NX		X
225-15718-43	DL Assy 3	LCMS-8060 Desolvation Line Assembly, DL ASSY3		X
225-14948-91	ESI Capillary	ESI Capillary ASSEMBLY, LCMS-2020, TQ, QTOF		X
220-91566-61	Exhaust Filter SV65-120B	Exhaust Filter Cartridge SV65-120B for LCMS-80608060NX		X
220-91239-00	LCMS Test Mix	LCMS-2020, TQ, Test Standard, Papaverine, PNP, Acetophenone		X
220-91566-63	Leybold Pump Oil LVO700	Leybold Rotary Pump Oil LVO700 - 1L	X	
036-19004-05	O-ring	O-RING, Orifice, Capillary coupling nut		X
228-48607-91	PEEK Frit	PEEK Frit for inline filter, SQ, TQ, QTOF		X
228-33833-91	PEEK Tubing	PEEK Tubing, Red, 0.005" ID x 1/16" OD, 5 ft Roll		X
225-15697-01	Spacer	Spacer, Standard Introduction Unit, LCMS-2020, TQ, QTOF		X
220-91239-00	Tune Solution	TQ Tuning Solution		X

Note: These time frames are only suggestions and items may need to be replaced more frequently depending on sample throughput and use

Shop online ~ store.shimadzu.com or call Shimadzu at 800-477-1227

I LCMS-9030/9050

Quadrupole Time-of-Flight (Q-TOF) Mass Spectrometer



Part Number	Item	Description	6 month	12 month
228-33833-91	PEEK Tubing	PEEK Tubing, Red, 0.005" ID x 1/16" OD, 5 ft Roll		X
ESI Unit				
225-14948-91	ESI Capillary Assembly	ESI Capillary ASSEMBLY, LCMS-2020, TQ, QTOF	X	
228-32999-01	PEEK Tubing	PEEK tubing, 0.13 x 1.6 mm		X
036-19004-05	O-ring, 4D-S8	O-RING, Orifice, Capillary coupling nut	X	
Sub-Interface				
225-14948-91	ESI Capillary Assembly	ESI CAPILLARY PIPE ASSEMBLY, LCMS-2020, TQ, QTOF	X	
036-19004-02	O-ring, 4D-S5	O-RING, 4D-S5, QTOF Sub-interface		X
036-19004-11	O-ring, 4D-S14	O-RING		X
APCI Unit				
225-15619-41	Heater Assembly	APCI heater unit (with ferrule)	X	
225-15845-91	APCI Capillary Pipe	APCI Pipe Assembly, LCMS-2020, TQ, QTOF	X	
225-15877-92	Corona Needle	Corona Needle, APCI/DUIS, LCMS-2020, TQ, QTOF	X	
225-03748-03	Ferrule	APCI heater unit ferrule		X
DUIS Unit				
225-15877-92	Corona Needle	Corona Needle, APCI/DUIS, LCMS-2020, TQ, QTOF	X	
Ion Introduction Section				
225-15718-43	DL Assy 3	LCMS-8060 Desolvation Line Assembly, DL ASSY3	X	
023-65106-01	M6 PEEK Washer	PEEK washer, Seal for fixed part of heater flange, M6		X
036-11267-00	O-ring 4D P95	O-ring		X
Lens System				
036-12517-00	O-Ring, 4D G100	O-ring, Interface block		X
036-15552-53	O-Ring, AS568A-253 4D	O-ring for lens system door		X

I LCMS-9030/9050

Quadrupole Time-of-Flight (Q-TOF) Mass Spectrometer

Part Number	Item	Description	6 month	12 month
Vacuum System				
225-91566-63	Rough Pump Oil	LVO700 (1 liter) 2 liters are needed for an oil change	X	
225-91566-61	Exhaust Filter Cartridge	Exhaust Filter Cartridge SV65-120B		X
Diverter Valve				
228-21217-94	Diverter Valve Rotor	Diverter valve rotor assembly	X	
228-33879-41	Diverter Valve Stator	Diverter valve stator assembly	X	
Standard Sample Introduction Unit				
220-91239-90	Tune Solution for Q-TOF	Standards, QTOF, Tune Solution QTOF, NaI	X	
220-91239-91	Standard sample for Q-TOF	Standards, QTOF, TOF Calibration Solution, QTOF	X	
225-15697-01	Spacer	Spacer, Standard Introduction Unit, LCMS-2020, TQ, QTOF		X
228-48607-91	PEEK Frit	PEEK Frit for inline filter, SQ, TQ, QTOF		X
CDS Valve				
228-51922-00	CDS Valve Rotor	CDS valve rotor assembly	X	
228-51663-01	CDS Valve Stator	CDS valve stator assembly	X	
Fan Filter				
225-34377-00	Fan Filter	Air Filter for bottom side of front cover		X
225-34957-02	Air Filter	Air Filter for right side of instrument		X
042-60935-04	Fan Filter FL12	Fan Filter for left side of rear side of instrument		X
042-60935-03	Fan Filter FL9	Fan Filter for the right side of the rear of the instrument		X

Since Shimadzu products are frequently upgraded and improved, information in this publication is subject to change without notice. Please read the instruction manual included with all products before use.

The replacement and maintenance periods listed in the guide are presented only as guidelines and not as a guarantee. Routine maintenance and inspection will vary depending on usage conditions.

Should you have questions on items listed in this guide, please contact your nearest Shimadzu representative.

Founded in 1875, Shimadzu Corporation, a leader in the development of advanced technologies, has a distinguished history of innovation built on the foundation of contributing to society through science and technology. Established in 1975, Shimadzu Scientific Instruments (SSI), the American subsidiary of Shimadzu Corporation, provides a comprehensive range of analytical solutions to laboratories throughout North, Central, and parts of South America. SSI maintains a network of nine regional offices strategically located across the United States, with experienced technical specialists, service and sales engineers situated throughout the country, as well as applications laboratories on both coasts.

For information about Shimadzu Scientific Instruments and to contact your local office, please visit our Web site at www.ssi.shimadzu.com



Shimadzu Corporation
www.shimadzu.com/an/

Shimadzu Scientific Instruments
 7102 Riverwood Drive, Columbia, Maryland 21046, U.S.A.
 Phone: 800-477-1227/410-381-1227, Fax: 410-381-1222
www.ssi.shimadzu.com