

Consumables Replacement

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Goal

Highlight the parts that need periodic replacement on the ISQ EC and ISQ EM mass spectrometers

Introduction

The Thermo Scientific™ ISQ™ EC and ISQ™ EM Single Quadrupole Mass Spectrometers deliver outstanding robustness and performance for routine HPLC analyses. In order to keep the system operating at its best, various consumables need to be periodically replaced. These replacements can be quickly and easily performed by laboratory personnel, without requiring a service visit.

The following tables indicate the part numbers, expected frequency of replacement, and availability in the Shipment kit that is included with the instrument purchase.

Consumable	Part number	Yearly consumption	Availability in Shipment kit
Sweep cone	1R120590-2041	1 ^a	1
HESI needle	1R120590-6211	2-4 ^b	1 installed 1 spare
Transfer tube	1R120590-4502	1	1 installed 1 spare
Calibrant mix, 250 mL	1R120590-6204	4	0
Certified Calibrant mix, 250 mL	1R120590-6209	4	0
If APCI is used			
APCI fused silica capillary	1R120590-3007	2-4 ^b	1
APCI corona needle	70005-98033	2-4 ^b	1

^a Only two sweep cones are needed in total. One should be kept as a clean backup while the other one is in use.

^b The sample matrix, eluent composition, and eluent quality greatly affect the lifetime of the HESI needle, APCI fused silica capillary, and APCI corona needle. Under challenging conditions, they will require exchange every few months.



Consumable	Part number	Yearly consumption	Availability in Shipment kit
Ultra Grade 19 oil for Edwards RV8, 1L	A0301-15101	1	1
Oil mist filter assembly	1R76505-0037	1	1
Alternatively			
PM Kit, contains: <ul style="list-style-type: none"> • Calibrant Mix, 250 mL • Mechanical Pump oil, 1L • Oil mist filter assembly • Gloves and cotton swabs 	1R120590-6240	1	-

Consumable	Part number	Yearly consumption	Availability in Shipment kit
Third party modules			
Nitrogen compressor	N/A	Usually yearly maintenance is required	N/A

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