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Bridgewater, NJ 08807
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Preparing your Laboratory for PATsmart™ ZipChip® and Autosampler Installation

This checklist should be completed by the customer to confirm that the on-site requirements for a successful installation of the PATsmart™ ZipChip® Interface and optional Autosampler, have been satisfied. Please return the completed form to your Repligen contact to avoid delays coordinating the installation of your ZipChip Interface. Feel free to email any questions related to this form to TechSupport@repligen.com

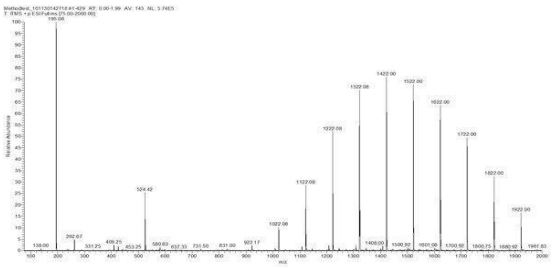
IDENTIFICATION	
Name of company / site	
Address of site	
Name of primary contact	
Phone number of primary contact	
Date of installation	
Primary Application	
Secondary Application	

MASS SPECTROMETER MODEL	Available in Lab	Available for Day of Installation
Thermo Exactive Plus	☐	☐
Thermo Q Exactive	☐	☐
Thermo Q Exactive Plus	☐	☐
Thermo Q Exactive HF	☐	☐
Thermo Q Exactive HF-X	☐	☐
Thermo Q Exactive Biopharma	☐	☐
Thermo Q Exactive HF Biopharma	☐	☐
Thermo Q Exactive HF-X Biopharma	☐	☐
Thermo Exactive Plus EMR	☐	☐
Thermo Q Exactive UHMR	☐	☐
Thermo LTQ Orbitrap XL	☐	☐
Thermo LTQ XL	☐	☐
Thermo Exactive Plus	☐	☐
Thermo Q Exactive	☐	☐
Thermo Q Exactive Plus	☐	☐

CALIBRATION OF MASS SPEC

Routine calibration of mass spectrometers is required for optimal performance. Please confirm that the calibration of the system has been performed within 48 hours of the installation date. One of the following calibration solutions from Thermo Scientific should be run depending on the mass spectrometer model to be used:

Thermo Scientific Pierce™ LTQ ESI Positive Ion Calibration Solution – Prod #88322 Thermo Scientific Pierce™ LTQ Velos ESI Positive Ion Calibration Solution – Prod #88323 Please refer to the ThermoFisher Scientific website for more information on the calibration solutions. The following spectra should have been generated:



GENERAL

1	The primary operator of the device will be on site and available during the installation of hardware, integration of ZipChip software with MS, and training.	☐
2	There is sufficient bench or cart space available (14 in (h) x 12 in (w) x 22 in (d)) to support the ZipChip Autosampler weighing 19 kg (42 lbs) within 1 m (3 ft) of the Mass Spec source mounting location. (Required for autosampler equipped ZCI units only)	☐
3	There is a waste collection container available for collection of ZipChip waste composed of water (~50%), methanol (<50%), isopropanol (<10%), acetonitrile (<50%), formic acid (<2%) and acetic acid (<1%) at a rate not to exceed 50 mL/hour. (Required for autosampler equipped units only)	☐
4	There are two (2) electrical power receptacles (110 V/240 V) available within 2 m (6 ft) of the MS source.	☐
5	The MS controlling computer is available within 2 m (6ft) of the MS source. MS controlling computer has 64-bit Windows version of operating system.	☐
6	LC/MS-grade water and 2-propanol is available in the laboratory for setup and testing.	☐
7	The laboratory environmental temperature is maintained in the range of 15 –25 C (59-77 F).	☐
8	The laboratory relative humidity is 20-80% non-condensing.	☐
9	The laboratory atmosphere is clean, free of smoke, excess dust and volatile background contamination.	☐
10	There is a dry nitrogen source (via MS inlet supply), capable of providing a continuous supply of approximately 1 LPM.	☐
11	There is a second clean, dry nitrogen source (regulated to 100 ±10 psi) with ¼" tubing available to dry the ZipChip cartridges.	☐
12	The inlet capillary on the MS is new, or has recently been cleaned.	☐
13	The space and electrical specifications for the ZipChip Interface (ZCI) and ZipChip (ZC) Autosampler are acceptable, see instrument dimensions and specifications section.	☐

INSTRUMENT DIMENSIONS AND SPECIFICATIONS

ZipChip Interface

Mounting Configuration	All Thermo Fisher Scientific Exactive, Q Exactive Orbitrap, and LTQ-Orbitrap MS instruments.
Software	ZipChip software for configuration of injection parameters. Integration with Thermo Fisher Scientific Xcalibur software for data collection, processing and reporting.
Dimensions	8 in (h) x 8 in (w) x 11 in (d)
Weight	11.8 lbs
Power Requirements	110/240V/75W

Autosampler

Software	ZipChip software for configuration and set up of sequences and run parameters. Routines for automated chip priming and unattended operation.
Dimensions	14 in (h) x 12 in (w) x 22 in (d)
Weight	46.3 lbs
Stackable weight	143 lbs
Power Requirements	110/240V/200W

CONSUMABLES AND REAGENTS

ZipChip Qualification Kit - Part Number 850-00043
The kit should be ordered with the instrument, if this does not occur please order 2 weeks prior to install. The kit contains the following:
1 set of metabolite reagents
2 HS Chip
Checkout Standards

CONTACTS

Please contact us if you need any help or support prior to the install:
TECH SUPPORT: TechSupport@repligen.com | 1-888-927-3035
SALES SUPPORT: analytics-sales@repligen.com | 1-857-254-1500

Customer Signature: _____