

## 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](mailto: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 |
|---|--------------------------|-----------------------------------|
| <b>TripleTOF Mass Spectrometers</b>         |                          |                                   |
| SCIEX TripleTOF 5600                        | <input type="checkbox"/> | <input type="checkbox"/>          |
| SCIEX TripleTOF 6600 or 6600+               | <input type="checkbox"/> | <input type="checkbox"/>          |
| <b>Triple Quadrupole Mass Spectrometers</b> |                          |                                   |
| SCIEX Triple Quad 4500                      | <input type="checkbox"/> | <input type="checkbox"/>          |
| SCIEX Triple Quad 5500 or 5500+             | <input type="checkbox"/> | <input type="checkbox"/>          |
| SCIEX Triple Quad 6500 or 6500+             | <input type="checkbox"/> | <input type="checkbox"/>          |
| <b>QTRAP Mass Spectrometers</b>             |                          |                                   |
| SCIEX QTRAP 4500                            | <input type="checkbox"/> | <input type="checkbox"/>          |
| SCIEX QTRAP 5500 or 5500+                   | <input type="checkbox"/> | <input type="checkbox"/>          |
| SCIEX QTRAP 6500 or 6500+                   | <input type="checkbox"/> | <input type="checkbox"/>          |

## TUNING AND CALIBRATION OF MASS SPEC

Routine tuning and calibration of mass spectrometers is required for optimal performance.

Please confirm that the tuning and/or calibration of the mass spectrometer being used will be performed on the scheduled installation date.

Refer to the appropriate user guide from the manufacturer for instructions on solutions needed and how to perform the tuning and calibration.

### 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.   | <input type="checkbox"/> |
| 2  | There is sufficient bench or cart space available ( <b>14 in (h) x 12 in (w) x 22 in (d)</b> ) to support the ZipChip Autosampler weighing 19 kg (42 lbs) within 1 m (3 ft) of the mass spectrometer source mounting location. (Required for autosampler equipped ZCI units only)              | <input type="checkbox"/> |
| 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) | <input type="checkbox"/> |
| 4  | There are two (2) electrical power receptacles (110 V/240 V) available within 2 m (6 ft) of the MS source.   | <input type="checkbox"/> |
| 5  | The MS controlling computer is available within 4 m (13ft) of the MS source. MS controlling computer has <b>64-bit Windows</b> version of operating system.  | <input type="checkbox"/> |
| 6  | LC/MS-grade water and 2-propanol is available in the laboratory for setup and testing.   | <input type="checkbox"/> |
| 7  | The laboratory environmental temperature is maintained in the range of 15 – 25 C (59-77 F).  | <input type="checkbox"/> |
| 8  | The laboratory relative humidity is 20-80% non-condensing.   | <input type="checkbox"/> |
| 9  | The laboratory atmosphere is clean, free of smoke, excess dust and volatile background contamination.  | <input type="checkbox"/> |
| 10 | There is a dry nitrogen source (via MS inlet supply), capable of providing a continuous supply of approximately 1 LPM.   | <input type="checkbox"/> |
| 11 | There is a second clean, dry nitrogen source (regulated to 100 ±10 psi) with ¼" tubing available to dry the ZipChip cartridges.  | <input type="checkbox"/> |
| 12 | The system vacuum interface has recently been cleaned.   | <input type="checkbox"/> |
| 13 | The mass spectrometer is equipped with the OptiFlow or standard NanoSpray inlet hardware.  | <input type="checkbox"/> |
| 14 | The space and electrical specifications for the ZipChip Interface (ZCI) and ZipChip (ZC) Autosampler are acceptable, see instrument dimensions and specifications section.   | <input type="checkbox"/> |

## INSTRUMENT DIMENSIONS AND SPECIFICATIONS

### ZipChip Interface

|                               |   |
|-------------------------------|---|
| <b>Mounting Configuration</b> | SCIEX TripleTOF, Triple Quadrupole, and QTRAP mass spectrometers equipped with the OptiFlow or standard NanoSpray inlet hardware.   |
| <b>Software</b>               | ZipChip software for configuration of injection and analysis parameters. 64-bit Windows OS required. Integration with SCIEX Analyst software for data collection, processing and reporting. |
| <b>Dimensions</b>             | 8 in (h) x 8 in (w) x 11 in (d)   |
| <b>Weight</b>                 | 11.8 lbs  |
| <b>Power Requirements</b>     | 110/240V/75W  |

### Autosampler

|                           |  |
|---------------------------|--|
| <b>Software</b>           | ZipChip software for configuration and set up of sequences and run parameters. Routines for automated chip priming and unattended operation. |
| <b>Dimensions</b>         | 14 in (h) x 12 in (w) x 22 in (d)  |
| <b>Weight</b>             | 46.3 lbs   |
| <b>Stackable weight</b>   | 143 lbs  |
| <b>Power Requirements</b> | 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](mailto:TechSupport@repligen.com) | 1-888-927-3035

SALES SUPPORT: [analytics-sales@repligen.com](mailto:analytics-sales@repligen.com) | + 857-254-1500

**Customer Signature:** \_\_\_\_\_