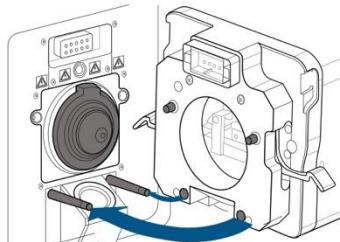
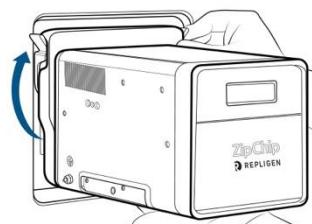


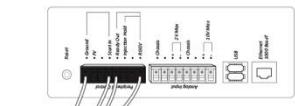
## Installing the ZipChip Interface



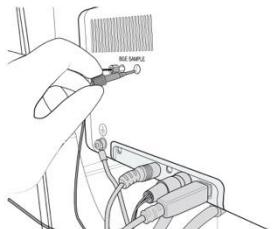
**1** Align the ZCI to the MS alignment rods.



**2** Rotate locking levers to engage.

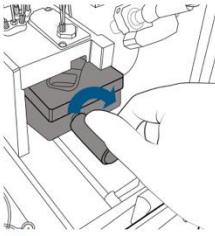


**3** Connect cables between ZCI, MS and control computer.

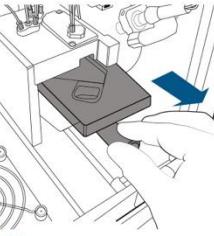


**4** Connect BGE and sample transfer lines from AS to ZCI (if equipped).

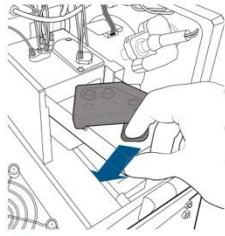
## Loading a ZipChip



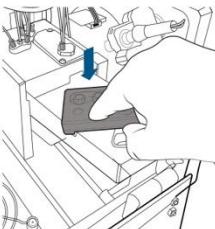
**1** Rotate the chip loading lever.



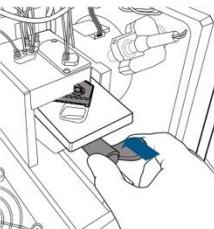
**2** Lower and slide out the chip tray.



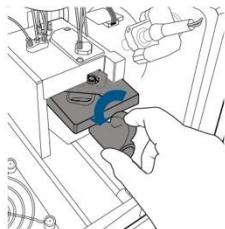
**3** Place a ZipChip in the tray. Pull back the chip latch to seat it in the chip tray.



**4** Lightly press down on the chip to secure it in the tray.



**5** Slide the chip tray back into the chip manifold.



**6** Raise the chip tray by turning the lever.

## Getting Started Workflow

**1** Prime Autosampler

**2** Prime ZipChip

**3** Test Electrospray



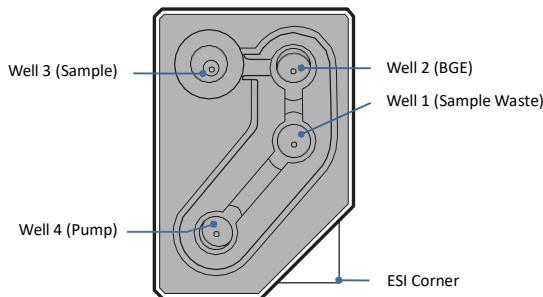
## Having Trouble?

If you experience problems or require further assistance or information about ZipChip and the ZipChip Interface, contact Repligen support at:

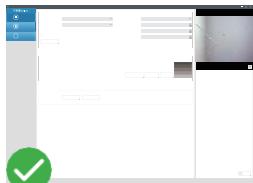
[TechSupport@repligen.com](mailto:TechSupport@repligen.com)

1-888-927-3035

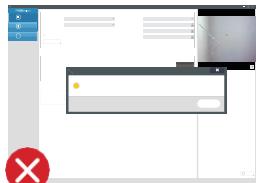
## Zipchip Cartridge Nomenclature



## Connecting the ZipChip Software Application



Open the ZipChip app and verify the video monitor and setup pane display properly.



If the ZipChip app loads, but seems unable to communicate with the ZCI, ensure that the USB cable is connected and close and restart the ZipChip app.

## General Safety Warnings

Do not use the ZipChip MZE-ESI unless properly trained in its safe operation. This equipment uses voltages which may result in injury. The ZipChip MZE-ESI system is a Class 1 Laser Product. Safety features have been incorporated in the design, but for continued safety, only trained personnel are allowed access to the equipment. Use only Repligen approved AC power supplies, cables, accessories and consumables. Contact Repligen directly to obtain any necessary additional, consumable, or replacement components. Damage to the device may result from improper use. The ZCI should only be operated in a clean laboratory environment. All maintenance should be performed by a qualified technician. Contact Repligen to obtain additional information.



There are live, high voltages present inside the unit during operation.



This equipment contains a 520 nm, 4.5 mW Class 3R laser diode with a beam divergence of 1.5 mrad but is classified as a Class 1 Laser Product as an end-use as evaluated to IEC 60825-1:2014. Avoid direct eye exposure to the beam and do not remove the laser for any other purpose.



Caution - Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

The internal fuse is not user accessible. Return to the manufacturer for repair. Verify waste bottle is empty before use and dispose of waste liquid in accordance with local laws. The end-user shall determine what personal protective equipment (PPE) is required per existing standard operating procedures and use standard protocols for chemicals and other potential hazardous materials. Return the equipment to the manufacturer, or the manufacturer's representative for all servicing.

## Intended Use

The ZipChip Interface (ZCI) is a Microfluidic Zone Electrophoresis (MZE) - Electrospray Ionization (ESI) source. The ZC-Ti is designed for Thermo Orbitrap Fusion and TSQ2 Series MSs. The ZipChip Interface and its accessories/consumables are intended for research use only.

## Specifications

**Physical:** 6.5" x 7.25" x 11"    **Certifications:** UL/CSA/IEC 61010-1 3rd Edition  
**Weight:** ~16lbs    **Class 1 Laser Product:** 21CFR 1040.10 & 1040.11  
**Power:** 24V DC, 65W    **Ingress Protection:** IP X0 (per IEC 60529)  
**Storage Temp:** 0°C - 6    **Operating Range:** 20°C - 40°C

## ZCI Power Supply

**Supplier:** CUI Inc  
**P/N:** SD165-24-UD-P5  
**Input:** 90-264V~, 50-60Hz, 1.4A  
**Output:** 24V, 2.71Aa  
**Barrel:** 5.5 x 2.1 mm, center pin +V