

Air-O-Cell CSI FAQ

Q. What is the Air-O-Cell CSI?

A. The Air-O-Cell CSI is a special version of the Air-O-Cell that allows an analysis to be performed both optically and via SEM.

Q. Why would someone want to use an Air-O-Cell CSI vs a standard Air-O-Cell?

A. There are many IAQ problems that are not mold related. Using the standard Air-O-Cell product, we can optically see if there is an abundance of non-biological particles, but cannot always decipher what they are, or what they are comprised of. By using the CSI version, we can now analyze those non biological particles via SEM and get a clear picture of what those particles are comprised of. This information can then be used to trace the source of the problem.

Q. Is it required to perform both an optical and SEM analysis?

A. No. Either optical or SEM analysis can be performed without the other, however what makes the most sense is to perform an optical analysis first. Once it is seen that there are specific particles of interest, you can review those findings and decide if you want to have an SEM analysis performed on those particles.

Q. Is Zefon now recommending that customers consider the CSI version for all their sampling?

A. No. It would not be economically feasible to use the CSI product on every sample. Users should understand their options, and informed what it will do. This is another tool at your disposal to diagnose IAQ problems. If you have already somehow determined there is a non biological problem, or you have already performed a standard Air-O-Cell analysis which demonstrates a non-biological problem, then is great time to consider using the CSI version to help both identify what it is, and trace down the source.

Q. Is there anything physically different about the Air-O-Cell CSI?

A. Yes, but very minor.

1. The label uses a maroon color, instead of green.
2. The serial number is printed on the slide inside the cassette and not on the label.
3. The adhesive on the slide is completely different.

4. The geometry of the inlet slit is narrower, and matches the geometry of the inlet slit found in the Via-Cell product. Because of this, customers using the Zefon Bio-Pump should use the Via-Cell flow indicator that came with the pump. Zefon is currently rebranding these flow indicators to specifically state both via-cell and Air-O-Cell CSI.
5. The inlet slit size also has changed the particle collection efficiency and moved it from 2.3µm @ 15 LPM to 1.56µm @ 15LPM.

Q. Can I use my Bio-Pump to take Air-O-Cell CSI samples?

A. Yes, but you must use the Via-Cell/Air-O-Cell CSI flow indicator when calibrating the pump. Using the standard Air-O-Cell flow for sampling with the Air-O-Cell CSI will result in an actual flow rate around 14LPM.

Q. Who can we call for technical help?

A. For technical support, please contact you Zefon sales representative:

Eastern US	Western US
Clayton Thompson Phone: 1-800-282-0073 x8445 E-mail: CThompson@zefon.com	Steve Weir Phone: 1-800-282-0073 x8426 E-mail: SWeir@zefon.com

Q. Which Labs are setup to accept Air-O-Cell CSI samples?

A. As of May 29th, 2009, the following labs are setup to accept samples:

EMSL Westmont 1-800-220-3675 Technical Contacts: Dr. Eugenia Mirica Mr. Matt Maki	Environmental Analysis 1-858-272-7747 Technical Contact: Mr. Dan Baxter
Forensic Analytical Laboratories 1-800-827-3274 x8165 Technical Contact: Mr. Jim Flores	LA Testing 1-800-303-0047 Technical Contacts: Dr. Jerry Drapala Mr. Derrick Tanner
R.J. Lee Group 1-800-860-1775 Technical Contact: Mr. Ryan Hall	Sanair Technology Laboratories 1-888-895-1177 Technical Contact: Ms. Sandra Sobrino