CodaAir® Positive Pressure System for IVF Laboratories

- Minimum Investment for Maximum Results of Air Quality in IVF laboratories
- Easy to be integrated in any existing or new IVF laboratory or medical room
- Safe and Clinically Proven Coda® 4-Stage Filtration technology for over 15 years in IVF laboratories worldwide

LifeGlobal® has integrated Coda® technology into their high quality media manufacturing laboratories. Independent testing has shown that Coda® air purification technology produces up to a Class 5-7 clean room environment with maintained lab and clean room filter changes.

**EFFECTIVE**
- Coda® 4-stage filtration system, with its uniquely designed canisters, contains a higher volume of activated carbon, potassium permanganate, and high quality HEPA filtration than any other system found on the market.
- Coda® Positive Pressure Unit offers continuous air circulation and purification while maintaining a positive pressure environment.
- Coda® 4-Stage Filter System offers multiple lines of defense against particulates, biologicals and volatile organic compounds (VOCs).

**EASY TO MAINTAIN**
- Easy to install in any existing or new ART laboratory.
- Installation requires only hours — not days!
- Simple filter replacement by any staff member — no expensive visits from a specialist is required.
- Filter replacement occurs outside of the lab, reducing the introduction of contaminants and preventing lost time that occurs during a shutdown.

**PROVEN FOR SAFE USE**
- Safe and Clinically Proven for Best performance and results in IVF laboratories for over 15 years.
- Highly effective 4-Stage filtration system with high performance removing particulates, VOCs and biological compounds.
- Coda® systems do not contain UV technology that has been proven to create ozone which is detrimental to embryo development.
- Coda® Technology has helped to improve air quality in almost 1000 ART centers worldwide.
- Coda® purification technology achieves particulate counts (0.5 μm to 5.0 μm) that are compliant with ISO Class 7 (10,000) standards, or better.

**ECONOMICAL**
- The total cost of installation is approximately 1/4 of competitors products price.
- Inexpensive filter replacement.
- Slim design saves space outside of the IVF laboratory.
- Reduced cost — no significant laboratory remodeling required.
- Items recommended for a Regular Size IVF lab:
  - 1-2 CodaAir® Positive Pressure Units placed inside the adjacent room or hallway bringing purified air inside the IVF lab with positive pressure
  - 1 CodaAir® 800 and/or 1 CodaAir® 900
  - 1-2 AC Eco Wall Units easily control temperature and humidity
Operating Security
Rigorous design specifications have been applied in the development of the CodaAir® System + Positive Pressure Unit to ensure maximum air purification. The CodaAir® + Positive Pressure Unit reduces the presence of VOCs, bacteria/fungal spores and all particulate matter using a 4-stage filtration system. The design of the unit assures continuous removal of VOCs and particulates in the laboratory.

Highly Effective and Proven System for Removing VOCs
The unique design and concept of the CodaAir® + Positive Pressure Unit reduce VOCs in the air of the IVF laboratory. High quality activated carbon and potassium permanganate act to efficiently absorb all VOCs and aldehydes, reducing their effect on embryos, gametes and embryologists.

Air Quality Issues
CodaAir® + Positive Pressure Unit helps with off-gassing of new materials. Furniture, paint, adhesives, plastic packaging and cleaning supplies all release detrimental levels of VOCs. The CodaAir® + Positive Pressure Unit removes them and circulates fresh, clean air into the laboratory.

Pollution and Photochemical Smog
In a typical IVF laboratory there may be high levels of VOCs and CACs. Sources can range from air pollution, hospital activities to construction. Current AIA standards for “positive air pressure” require three (3) fresh air changes per hour. The CodaAir® + Positive Pressure Unit repurifies the air up to twenty-two (22) times per hour, providing the cleanest possible environment for embryos.

HEPA is not enough! …Only activated carbon can remove VOCs
CodaAir® effectively removes VOCs. VOCs are too small to be removed by HEPA filtration alone.
The Coda® Canister is the only filter with a 97% efficiency rating.

- Homogenous blend of pure activated carbon and potassium permanganate removes odor, volatile organic compounds and chemical air contaminants.
- Non toxic, no offgassing composite canister.

Bad Air In...
Good Air Out...
Everytime...

Major reductions in:
- Toxic Solvents
- Volatile Organics
- Chemical Contaminants
- Odorous Gases

Removes effectively more:
- Toluene
- Benzene
- Hexane
- Formaldehyde
- Acetaldehyde
- Ethyl benzene
- Ethanol
- Isopropanol
- Acetone
and more...

Density and composition of media increases contact time and absorption.

Pure Clean Air

IN

IN

Dual airtight seal ensures against leakage for both single and double pass systems.

The Coda® Canister has the highest volume of pure Activated Carbon and Potassium Permanganate with higher absorptive capacity and a longer life span than any other air purification unit on the market today. The IVF laboratory requires the added protection of the Coda® Canisters in your Coda® system and HVAC systems.

CodaAir®, the most effective and safe VOC removal technology for IVF Laboratories

Effect of Use of a Coda® Tower for 24 Hours on Aldehyde Concentrations

Effect of Use of a Coda® Tower for 24 Hours on Total VOC Concentrations

Effect of Use of a Coda® Tower for 24 Hours on Particulate Counts

Clinical Results of Coda® Filtration
SAFE AIR FOR SUCCESSFUL IVF

**CLINICALLY TESTED**

Coda® is the only “Clinically Tested” and proven, high performance, VOC filtration technology for IVF for over 15 years.

**HEPA IS NOT ENOUGH**

HEPA filters are designed to stop materials down to 0.3 microns. Unfortunately many of the gases found in IVF labs: benzene, acetone, ethanol, formaldehyde, etc; are 100 to 1000 times smaller than the pore size of the HEPA filter.

**VOC REMOVER**

Coda® filters are common-sense safety devices that serve to protect embryos from unforeseen VOCs and other contaminants.

**WHY CODA®?**

Coda® has been used successfully worldwide, and has been proven to reduce the contamination levels by up to 99.97% and virtually eliminate unwanted VOCs.