

CAPIOX[®] FX Advance

Oxygenator with Integrated Arterial Filter
and Hardshell Reservoir

Improving Flow Dynamics Improves GME Removal

Improved flow dynamics¹ reduces blood turbulence and gently transitions venous blood from the patient to the hardshell reservoir.

This smooth transition decreases the risk of damage to blood cells and may prevent the formation of gaseous microemboli (GME) from gross air.

The CAPIOX FX Advance hardshell reservoir design efficiently filters gross air, resulting in excellent air removal.

Internal testing¹ has demonstrated that the CAPIOX Advance Hardshell Reservoir (4L and 3L) consistently removes 99.999% of the volume of air injected. When combined with the CAPIOX FX Oxygenator's self-venting technology, air handling performance is superior to other oxygenators with integrated filters.^{2,3}



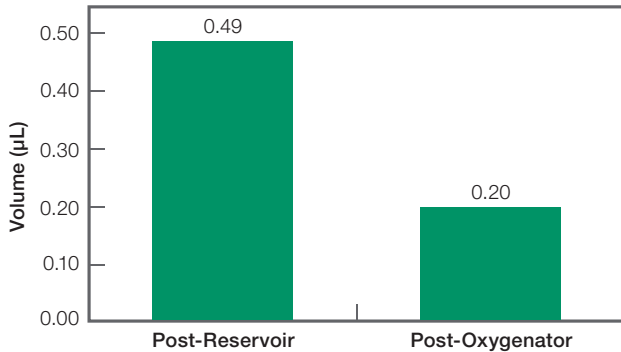
 **TERUMO**

CAPIOX® FX Advance

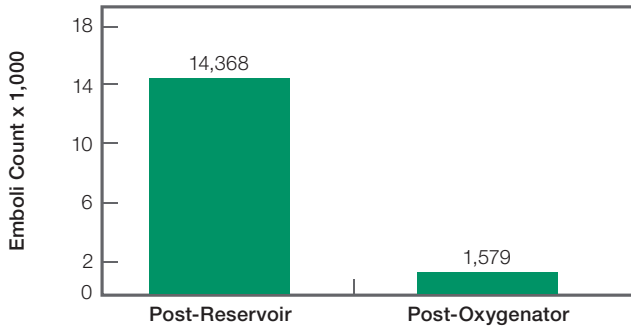
Gaseous Emboli Removal

In-vitro Testing: 4,000 mL Reservoir¹

Average Volume Post-Reservoir and Post-Oxygenator



Average Counts Post-Reservoir and Post-Oxygenator

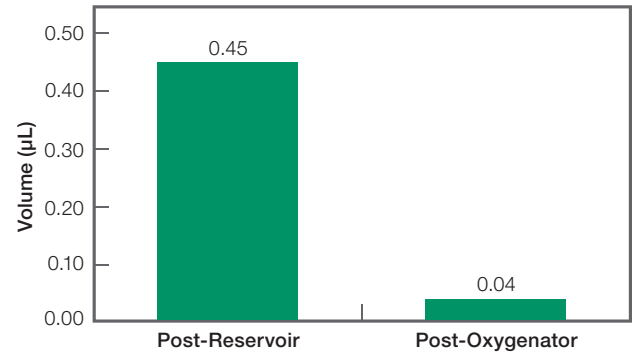


4,000 mL Test Conditions:

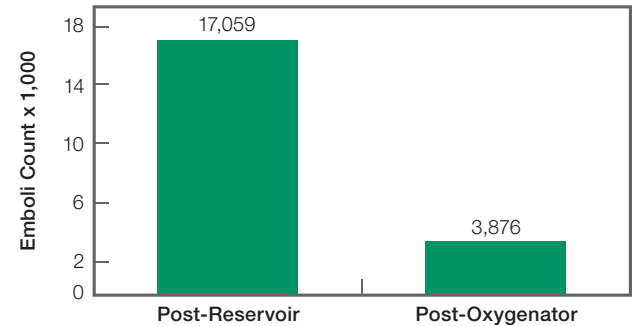
- Test fluid: heparinized bovine blood
- Injected volume of air: 100 mL for one minute
- Flow rate: 7 LPM
- Advance reservoir level: 150 mL
- Measurement device: EDAC® (Emboli Detection and Classification) QUANTIFIER⁴

In-vitro Testing: 3,000 mL Reservoir¹

Average Volume Post-Reservoir and Post-Oxygenator



Average Counts Post-Reservoir and Post-Oxygenator



3,000 mL Test Conditions:

- Test fluid: heparinized human blood
- Injected volume of air: 100 mL for one minute
- Flow rate: 5 LPM
- Reservoir level: 70 mL
- Measurement device: EDAC® (Emboli Detection and Classification) QUANTIFIER⁴

REFERENCES:

1. Internal testing, data on file.
2. Komorowski, B. *Air handling performance comparison. Terumo Cardiovascular Group's CAPIOX® FX15 oxygenator versus Sorin Group's Inspire® 6F oxygenator.* September 2014. 856283
3. Komorowski, B. *Air handling performance comparison. Terumo Cardiovascular Group's CAPIOX® FX25 oxygenator versus Sorin Group's Inspire® 8F oxygenator.* January 2015. 858533
4. EDAC® QUANTIFIER Specifications. Luna Innovations Incorporated. January 2008. EDQPSR101 REV 006



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