

## MarkVCID Cerebrovascular Reactivity (CVR) Equipment & Consumables

V6.23.25

**MarkVCID Consortium sites** are responsible for ordering the CVR equipment and cleaning supplies listed below.

Please contact Hanzhang Lu ([hlu3@jhmi.edu](mailto:hlu3@jhmi.edu)) and Cuimei Xu ([cxu31@jhmi.edu](mailto:cxu31@jhmi.edu)) if there are any questions or issues obtaining the supplies below.

Equipment Name	Manufacturer/Catalog Number	Product Notes
Gas tank of 5% CO2, 21% O2 and balanced N2 gas mixture at USP Medical Grade with compatible regulator	Airgas gas tank Z03NI7412003053; Regulator of CGA 280.	Airgas is the recommended manufacturer.  If your institution has an existing policy that requires the use of other local gas companies, please first send the quote to <a href="#">Cuimei</a> for review.
Detergent for cleaning reusable components	Suggested options: BenzaRid; Clorox Germicidal Bleach	Please follow your Institution's policies for ordering this product.

**The JHU CVR team** will provide MarkVCID Consortium sites with CO2 monitors, disposable supplies, and non-disposable consumables listed below.

Please allow at least 4-6 weeks' lead time to process all supply requests.

Product name	Supply Type & Re-supply Information
Nose clip	<b>Disposable</b> – Starting in July 2025, the JHU CVR team will send site-specific resupply shipments every 6 months as needed. Contact <a href="#">Hanzhang</a> and <a href="#">Cuimei</a> if resupply is needed sooner than 6 months.
Mouthpiece	
Microstream™ Advance filter (sampling tubing)	
Two-way non-rebreathing valve	<b>Non-disposable</b> – contact <a href="#">Hanzhang</a> and <a href="#">Cuimei</a> for resupply.
Gas delivery tube	
Douglas bag	
Gooseneck stand	
Mouthpiece-valve connecting tube	
Gas filling tube and other components	
Recording USB drive	
Medtronic CO2 monitor	