

MarkVCID Cerebrovascular Reactivity (CVR) Equipment & Consumables

V5.19.25

MarkVCID Consortium sites are responsible for ordering the disposable CVR consumables listed below. Please contact Hanzhang Lu (hlu3@jhmi.edu) and Cuimei Xu (cxu31@jhmi.edu) if there are any questions or issues obtaining the supplies below.

Disposable CVR supplies:

| Equipment Name | Manufacturer & Catalog Number | Product Link /Notes |
|--|--|---|
| Gas tank of 5% CO ₂ , 21% O ₂ and balanced N ₂ 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 Cuimei Xu (cxu31@jhmi.edu) for review. |
| Nose clip | Hans Rudolph, 201403 | HRI Products Scroll down to "NoseClips – Disposable & Reusable" for product info Contact hri@rudolphkc.com for pricing/quote |
| Mouthpiece | Hans Rudolph, 602076 | HRI Products Scroll down to "Mouthpieces – Standard & Saliva Collector Type" for product info Contact hri@rudolphkc.com for pricing/quote |
| Detergent for cleaning reusable components | Suggested options: BenzaRid; Clorox Germicidal Bleach | Please follow your Institution's policies for ordering this product. |
| <i>If using the Medtronic CO₂ monitor:</i> | | |
| Microstream™ Advance filter | MVXL | MVXL Medtronic Select "Contact a representative" and complete the form for pricing or to place an order |

The CVR kit lead (Hanzhang Lu) is responsible for providing MarkVCID Consortium sites with CO₂ monitors and the non-disposable CVR consumables listed below.

Contact Hanzhang Lu (hlu3@jhmi.edu) and Cuimei Xu (cxu31@jhmi.edu) to replenish the following supplies as needed. Allow for at least 4-6 weeks lead time to process any supply requests.

| General Supplies |
|---------------------------------------|
| Two-way non-rebreathing valve |
| Gas delivery tube |
| Douglas bag |
| Gooseneck stand |
| Mouthpiece-valve connecting tube |
| Gas filling tube and other components |
| Recording USB drive |

| CO ₂ Monitor | Supplies |
|-----------------------------------|---|
| Medtronic CO ₂ monitor | |
| or | |
| Philips NM3 monitor | CO ₂ sampling line extension |