



Kestrel Labs, Inc.

3133 Indian Rd Ste K
Boulder, CO 80301

303-544-0660
Service@KestrelLabs.com

Radiometer OSM3 Hemoximeter Service

NOTE: Radiometer no longer provides service and support for the OSM3 Hemoximeter. Although Kestrel Labs is not a Radiometer-authorized service depot, our personnel have extensive knowledge on the operation and repair of OSM3s, gained from literally decades of work with these instruments. Kestrel Labs offers complete servicing* capabilities including:

- Diagnosis and elimination of wet section errors (Errors 10, 11, and 12)
- Monochromator alignment
- Servicing of valves, solenoids, and pump (including pump speed adjustment)
- Wet section tubing, pump tubing, and inlet tubing replacement (see tubing note below)
- Power supply and photodiode checkout
- Photometer lamp adjustment/replacement
- Hemolyzer tuning
- Inlet flap service and rebuild
- Microswitch replacement and/or adjustment



Custom Tubing

The Radiometer OSM3 Hemoximeter uses custom silicone tubing that is no longer available. Improper internal diameter or length of tubing affects the OSM3's internal timing and therefore proper unit operation, resulting in measurement inaccuracies and wet section diagnostic errors. Kestrel Labs has purchased custom-manufactured platinum-cured silicone tubing for the wet section, pump, and inlet sections of the OSM3. Tubing kits may be ordered for do-it-yourself repair or our trained personnel can service your unit and replace the tubing set for you.

Rinse Solution and tHb Calibration Solution

The OSM3 Hemoximeter rinse solution originally sold by Radiometer is no longer available. Kestrel Labs has developed a custom-formulated replacement. If you are interested in obtaining rinse solution, contact us today. (NOTE: If possible, retain the empty rinse solution bottles and caps.) Please contact Kestrel Labs, Inc. directly regarding tHb Calibration solution.

Protein Remover and Cleaning Solution

These solutions are still sold by Radiometer. Contact your authorized supplier or Radiometer directly at Radiometer America Inc., 810 Sharon Drive, Westlake, OH 44145, 800-736-0600.

Calibration "Quality Check" Dyes

Kestrel Labs recommends using the QC253 "Full Range CO-Oximeter Control" dyes sold by RNA Medical. See <http://www.rnamedical.com/qc253.htm> for details.

* Kestrel Labs is not an authorized service center for repair of the OSM3. Kestrel Labs makes no guarantees or promises whatsoever in servicing the Radiometer OSM3 or in providing service parts or solutions. The owner and/or end user assume all responsibilities and risks associated with any repair or service performed on the Radiometer OSM3 or for the use of any service parts or solutions provided by Kestrel Labs. Owner is responsible for verifying the proper functionality and calibration of the Radiometer OSM3 once returned by Kestrel Labs and prior to putting the instrument back into operation.