

Quick Start : M220™ Focused-ultrasonicator™

Turning on the instrument


- Plug AC power cord into M220 main unit and power outlet
- Plug AC adaptor into computer and power outlet
- Connect USB cable to the M220 main unit and the computer
- Turn the power switch (at the back panel of the M220) to ON position
- Power on the computer; double click the SonoLab icon to start the software

Filling the water bath

- Open the Safety Cover and place the Tube Holder Insert into the Water Bath Housing
- Fill the provided wash bottle with AFA-grade Water
 - Use either Covaris AFA-grade Water (PN 520101) OR
 - Highly Purified Water (at least ASTM Type III or ISO Grade 3)
- Using the wash bottle, add the water through the Water Sensor Aperture
- Continue adding until water reaches the top surface of the Tube Holder (~15ml)
- Water level indicator in SonoLab should turn to green

Loading the sample

- Lift the Sliding Weight and rotate it into the loading position
- Place the sample tube into the Central Aperture of the Tube Holder Insert
- Drop the Sliding Weight to the running position on top of the sample tube
- Close the Safety Cover


 Safety Cover will not close if Sliding Weight is up

Processing the sample

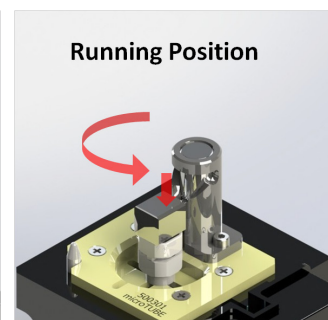
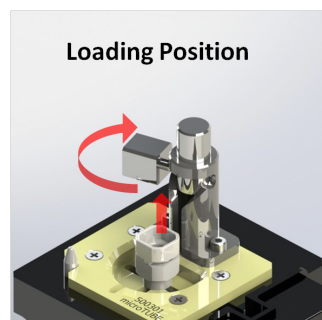
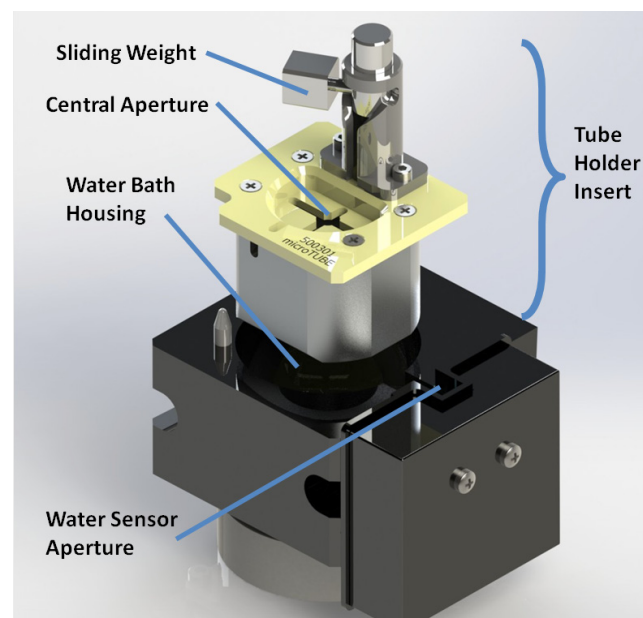
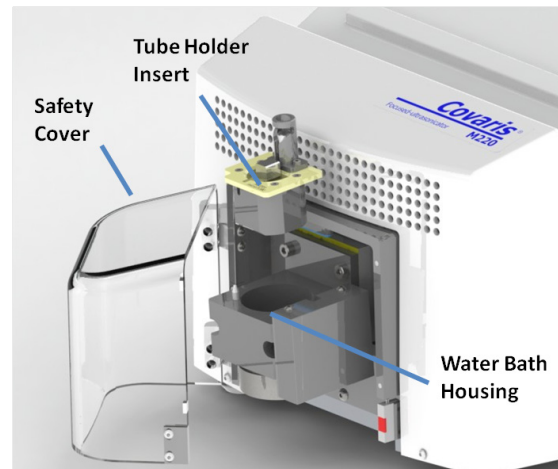
- Select an existing method in SonoLab
 - You can also create your own new method
- Click "Run" button to start the process
- After the process is finished, remove the sample tube
- Repeat if more samples need to be processed

Cleaning the instrument

- Take out the Tube Holder Insert and store it in a dry place or in the M220 Accessory Storage Station (PN 500352)
- Close SonoLab
- Turn the power switch (at the back panel of the M220) to OFF position
- Use the provided syringe to drain the water thoroughly from Water Bath Housing

 Do not scratch the surface of the transducer; this will cause permanent damage

- Use the provided swab to dry the inner surface of the Water Bath Housing
- Air dry



Part Number	Kits
500295	M220 AFA Focused-ultrasonicator Includes: Dedicated notebook computer with Sonolab 7™ software & integrated chiller.
500296	M220 NGS microTUBE Starter Kit Includes: M220 Holder microTUBE, microTUBE AFA Fiber Snap-Cap (25), microTUBE AFA Fiber Screw-Cap (25) and microTUBE Prep Station.
500297	M220 NGS miniTUBE Starter Kit Includes: M220 Holder miniTUBE; miniTUBE Clear (25), miniTUBE blue (25), miniTUBE red (25) and miniTUBE Prep Station & Stand.
500367	M220 ChIP Low Mass Starter Kit Includes: M220 Holder-XT microTUBE; microTUBE Snap-Cap (25), microTUBE Prep Station and <i>tru</i> ChIP Chromatin Shearing Kit Low Cell SDS.
Part Number	Covaris AFA Tubes
520045	microTUBE AFA Fiber Snap-Cap (25)
520096	microTUBE AFA Fiber Screw-Cap (25)
520064	miniTUBE Clear (25)
520065	miniTUBE Blue (25)
520066	miniTUBE Red (25)
Part Number	Accessories
500142	microTUBE Prep Station
500207	miniTUBE Prep Station & Stand
500352	M220 Accessory Storage Station

To order, please visit our online store

www.covarisinc.com



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