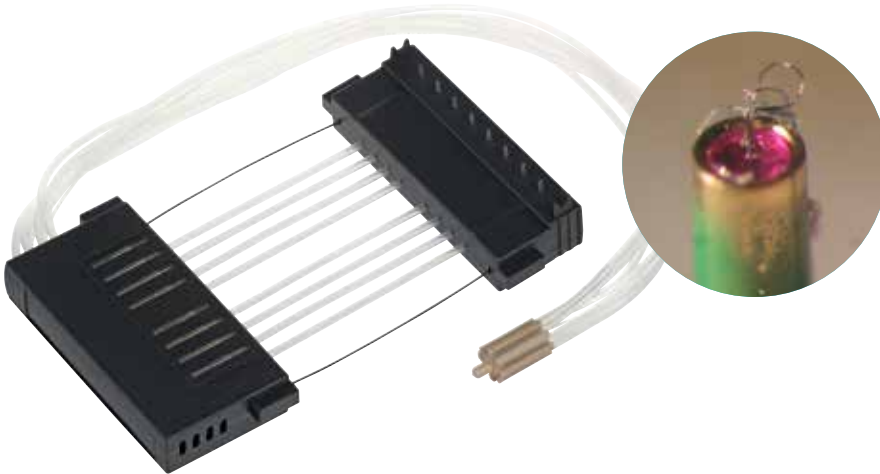


Best Practices to Help Prevent Clogging in Thermo Scientific Multidrop Dispensing Cassettes

Dust, particles and fibers commonly found in the lab can cause clogging in the Thermo Scientific™ Multidrop™ Combi cassettes, preventing reliable dispensing. Here are some simple steps you can take to help prevent this from happening.



There are several sources for dust, particles and fibers to enter the tubing.

- Particles may exist in the liquid that will be dispensed (in the filter or in the bottle)
- Dust or fibers can adhere to outside of the silicone tubing
- Fibers and dust can be released from clothing or cleaning cloths
- Silicone particles can be released inside the tubing

How can I prevent this from happening?

By keeping particles from entering the tubing, you can help reduce the likelihood of a clogged tip on your Multidrop dispensing cassette.

Best Practices for Cassette Use



1. DO filter liquids before dispensing
 - Use commercially available sterile filters, net size 0.45 µm, and a bottle
 - Pour the filtered liquid back into the bottle
 - Repeat 2-3 times



2. DO immerse the end of the tubing into the liquid before you start dispensing
 - Immerse the end of the tubing into a bottle filled with distilled water (2x)
 - Shake the tubing dry
 - Set up another bottle with the liquid you will be dispensing, and immerse the end of the tubing into the liquid in that bottle

- Shake the tubing dry, and then immerse it into the bottle you will actually be dispensing from

3. DON'T use the dispensing cassette without any liquid - silicone particles may "release"

4. DO clean after use

- Wash the tubing after use with cleaning solution
- Make sure cleaning solution is free of dust and particles



5. DO store cassettes either in their original packaging, or in a clean plastic bag

- DON'T store the cassette on the table or on a fiber cloth



6. DO use a reagent filter at the end of the tubing (in place of tubing weight)

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