



February 9, 2004

**Office of Water Quality Water-Quality Information Note 2004.07**

**Subject: Field Methods—low-capacity disposable filter available soon**

The purpose of the Note is to let field personnel know that, within the next few weeks, the Ocala Water Quality and Research Lab (OWQRL) will begin supplying the Gelman Aquaprep™ Groundwater Sampling Device (0.45µm, Thermopor (polyester-reinforced polysulfone) membrane) [<http://www.labfilters.com/catalog/85D2E9B9.asp>].

The new filter is less expensive than the Gelman Aquaprep™ 600 Groundwater Sampling Capsule (Q398FLD) that is currently used for filtering samples for inorganic analyses, **but it is only to be used when the amount of suspended material in the water being filtered is low and when the required sample volume is small.** Because the surface area of the Aquaprep™ is much smaller than that of the Aquaprep™ 600 (19.6 cm<sup>2</sup> vs 600 cm<sup>2</sup>), it will clog easily if concentrations of suspended material are high, resulting in biased concentration data. Users must take this into consideration when selecting the filters for their particular sampling scenario.

The OWQRL will quality control the new filters in the same way as the Aquaprep™ 600 and the certificates of analysis will be available at <http://owqrl.er.usgs.gov/owqrlcert.shtml>. An Office of Water Quality Technical Memorandum will be prepared to document the approval of the Aquaprep™ filter and will include the results of the initial quality-control testing.

The OWQRL is in the final stages of compiling the quality-control data for the initial lot of Aquaprep filters and, when that's complete, the filters will be made available for sale through One-Stop Shopping. An email will be sent when OWQRL is ready to accept orders. The item number and name will be 'Q460FLD—Filter, Aquaprep™, 0.45µm' and the price will be \$8.60 each.

Questions should be directed to [ocalaman@usgs.gov](mailto:ocalaman@usgs.gov) or [kkfitz@usgs.gov](mailto:kkfitz@usgs.gov).

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