

# Dental Water Treatment Product Selection Guide

Treatment Category	Product Options	Pass Rate <sup>†</sup>	Estimated Use (operatories per year)	Annual Cost (per operator)*	Tips for Safer Waterlines
<b>Tablets with Separate Shock</b>	BluTab, Benco, Z3, ICX, Citrisil, Patterson Brand	 88%	65,000	<b>\$93-\$179</b>	<ul style="list-style-type: none"> <li>&gt; 2-liter tablets are the most economical.</li> <li>&gt; You can premix a gallon with 2-liter tablets.</li> <li>&gt; All tablet manufacturers recommend frequent shocking.</li> <li>&gt; Frequency of shocking ranges from monthly to quarterly.</li> <li>&gt; Test your water quality every quarter.</li> </ul>
<b>Tablets</b>	BluTab, Benco, Z3, ICX, Citrisil, Patterson Brand	 77%	65,000	<b>\$91-\$170</b>	<ul style="list-style-type: none"> <li>&gt; All tablet manufacturers recommend regular shocking.</li> <li>&gt; Frequency of shocking ranges from monthly to quarterly.</li> <li>&gt; Two liter tablets are the most economical.</li> <li>&gt; You can premix a gallon with 2-liter tablets.</li> <li>&gt; Test your water quality every quarter.</li> </ul>
<b>Cartridges &amp; Straws</b>	DentaPure, Sterisil	 72%	68,000	<b>\$224-\$279</b>	<ul style="list-style-type: none"> <li>&gt; Shock your lines before installing each new straw.</li> <li>&gt; Do not shock through straw or cartridge. This can ruin the straw. Request a "shock straw" from the manufacturer.</li> <li>&gt; Test your water quality every quarter.</li> <li>&gt; Cartridges for "municipal" waterlines that are installed in the junction box do not have an easy remedy for what to do if you fail a waterline test.</li> <li>&gt; Some straws require certain water hardness. Verify compatibility before purchase.</li> </ul>
<b>Shock Treatment Only</b>	Liquid Ultra, Bleach (Sodium Hypochlorite), Citrisil Shock, Mint-A-Kleen	 60%	9,000	<b>\$3-\$117</b>	<ul style="list-style-type: none"> <li>&gt; Using a shock product by itself requires weekly use to be effective.</li> <li>&gt; ProEdge recommends bleach or Liquid Ultra as they prove to be most effective in real-world dental settings.</li> <li>&gt; Some shock product performance is very low.</li> </ul>
<b>Daily Liquid</b>	MicroClear, Liquid Drop / Shock Combo Products	 58%	6,000	<b>\$104-\$217</b>	<ul style="list-style-type: none"> <li>&gt; Test water quality often to ensure your protocol is effective.</li> <li>&gt; If using liquid/shock combination, shock weekly and test your water to verify that time between shocks can be extended.</li> </ul>
<b>Central Systems</b>	O-so Pure (UV Light), Sterisil System, VistaClear Filtration	 58%	5,000	<b>Up to \$8000</b>	<ul style="list-style-type: none"> <li>&gt; Sterisil System passes at 70%.</li> <li>&gt; Because of the significant investment, we recommend that you get in writing from the manufacturer that the unit will provide ≤ 500 CFU/mL and you have a remedy for what to do if you fail a water test.</li> <li>&gt; Clients have expressed regret after investing so much and continuously seeing poor test results with central systems.</li> </ul>

Data collected from 22,196 consecutive waterline tests (R2A, heterotrophic plate count tests) conducted in 2017 by ProEdge Dental Water Labs. All product types provided by dental offices. Averages may not reflect your test results. <sup>†</sup>All Pass/Fail was measured against CDC's ≤ 500 CFU/mL standard. \*Annual cost based on treating 200 liters/year/operator.

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