Waterline Treatment: Liquid Ultra® Solution

Liquid Ultra® Solution
Kills Biofilm Bacteria¹ in
Dental Unit Waterlines!

Liquid Ultra® solution is the only EPA registered dental unit waterline treatment granted ALL of the following claims¹:

- Kills biofilm bacteria
- Removes existing biofilm from dental unit waterlines
- Prevents and suppresses formation of biofilm in dental unit waterlines

Liquid Ultra solution maintains DUWL effluent water at ≤ 500 CFU/mL

How to Use Liquid Ultra Solution*:

Liquid Ultra solution offers multiple treatment options for bottle-fed systems to give your office the flexibility it needs!

Weekly treatment:
- As a weekly treatment on its own—with none of the downsides that can come with tablet use¹
- Think Pink Once a Week™!

In conjunction with a tablet protocol:
- As a shocking solution as recommended in your daily waterline treatment IFU

Best practice solution:
- To rapidly treat waterlines prior to initiating a new treatment protocol
- To quickly treat dental unit waterlines with extremely high CFU conditions

* Follow the Liquid Ultra solution IFU for initial start-up treatment and application instructions for all treatment options.

† Nothing to add to the water bottle with every water change, no worries about undissolved tablet solids adversely affecting expensive handpieces over time and no potential risk of staff exposure to daily chemicals.
**The Biofilm Problem**

The narrow diameter and extensive length of dental unit waterline tubing provides the ideal surface area for the growth and survival of bacterial biofilm. In the early stages of contamination, the first microorganisms to colonize the surface of DUWL tubing adhere by using a weak bond that is relatively easy to break with conventional treatment. However, if these first layers of bacteria aren’t treated, they begin to build a sticky matrix that creates biofilm, or a protective “slime layer.” This biofilm layer provides an ideal environment for new microorganisms passing through to anchor themselves to the microbial community attached to waterline walls.

As layer upon layer of biofilm continues to build up on the walls, it decreases the size of the lumen, promoting water stagnation and increased CFU count within the biofilm community.

When untreated, or improperly maintained, the water flowing through these contaminated DUWLs and out through the air/water syringe, ultrasonic scaler or high-speed handpieces can carry floating pieces of microorganisms that have broken off from the biofilm in the waterline—carrying potential risk of exposure and cross-contamination to your patients and staff; possibly impacting your practice’s reputation.

**How Liquid Ultra Solution Works to Kill Biofilm:**

1. Attacks and bombards biofilm
2. Penetrates the outer layer and dissolves into the matrix
3. Destruction and elimination of biofilm by a unique combination of oxidation, hydrolysis and solubilization.

**Ordering Information:**

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<tr>
<th>Description</th>
<th>Quantity</th>
<th>Ref #</th>
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<tbody>
<tr>
<td>Liquid Ultra® solution</td>
<td>1 box of 10 sets</td>
<td>DS503L</td>
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<tr>
<td></td>
<td>Each set contains 1 bottle of solutions 1 &amp; 2</td>
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¹ Data on file.

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