

LINES™ (Project 04-14) (10/04)



Lines™, an antimicrobial dental waterline cleaner, reportedly protects patients and staff from cross-contamination and eliminates *Pseudomonas aeruginosa* from dental unit waterlines. The active ingredients are ethanol and chlorhexidine. The manufacturer recommends a weekly protocol using the product at full concentration once a week (over the weekend) and then purging the lines with water on Monday morning. The manufacturer claims that Lines™ does not contain any toxic substances and will not corrode metals, clog valves, stain, or adhere to surfaces, as do water-based chlorhexidine mouthwashes. Lines™ can also be used continuously during procedures such as hygiene scaling. The product is available in 500 mL bottles (10 per case) or in a 6 L “bag in box” for ease of dispensing.

Manufacturer:

Zenith/Micrylium
 Foremost Dental LLC
 242 South Dean Street
 Englewood, NJ 07631
 (800) 489-8868
 (201) 894-5500
 (201) 894-0213 FAX
www.micrylium.com

Suggested Retail Price:

Case of ten 500 mL bottles \$99.95
 6 L “bag in box” \$109.95

Government Price:

Case of ten 500 mL bottles \$69.97
 6 L “bag in box” \$76.97

ADVANTAGES:

- + Produced water meeting or exceeding EPA standards (i.e., < 500 CFU/mL)
- + No mixing or dilution required
- + Less likely to damage dental unit components than bleach
- + User-friendly instructions
- + Blue color simplifies application
- + Less expensive than several comparable waterline treatment products

DISADVANTAGES:

- Requires more time to use than several comparable waterline treatment products

IN A NUTSHELL	
Product Name	Lines™
Product Description	Waterline Treatment
Manufacturer	Zenith/Micrylium
Price	Retail Case of ten 500 mL btl's \$99.95 6 L “bag in box” \$109.95 Government Case of ten 500 mL btl's \$69.97 6 L “bag in box” \$76.97
PROs	+ Produces water meeting or exceeding EPA standards + Relatively less expensive + Less damaging than bleach + No mixing or diluting
CONs	- Relatively more time consuming
DIS Rating	Acceptable
BOTTOM	Non-corrosive, easy to mix,

SUMMARY AND CONCLUSIONS:

Lines™, a chlorhexidine-based waterline treatment product, is recommended for weekly use (over the weekend treatment). The evaluators found Lines™ easy to use because no mixing or dilution is required. The instructions were highly rated. Although the manufacturer instructions state that the bottle will fit directly on “most” dental units, almost half of the clinical evaluators experienced difficulty placing the Lines™ bottle on their dental unit and commented that this was a disadvantage. However, this is easily corrected by adding the designated amount of Lines™ directly to the dental unit water bottle for treatment. Additionally, this will help with cleaning the dental unit water bottle. During the evaluation period, water samples consistently met the EPA standard of < 500 CFU/mL. The vast majority of evaluators rated Lines™ as “excellent” or “good” and recommended its purchase for their clinic. **Lines™** is rated **Acceptable** for use by the federal dental services.

for independent water reservoirs.

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