

## 60-19 DentaPure DP40 Cartridge (Project 00-05) (4/01)

The DentaPure DP40 cartridge is a point-of-source, straw-like cartridge that retrofits via quick-connect fittings to the existing water pickup tube in the bottle of a dental unit's independent water system. The device purportedly provides purification of water within the dental unit by filtration and by eluting from 2 to 6 parts per million of a germicide (iodine). The manufacturer claims the device removes dental unit biofilm, retards biofilm growth, and reliably provides water purity that exceeds the ADA recommendation for unfiltered water purification. Also, the manufacturer (MRLB International) purports that the product maintains water purity for 30 liters of water. MRLB International emphasizes that the DP40 eliminates the need for dental unit decontamination and flushing protocols.

### Manufacturer:

MRLB International, Inc.  
2450 College Way  
Fergus Falls, MN 56537  
(800) 972-3543  
(218) 739-2222  
(218) 736-3241 FAX

### Suggested Retail Price:

\$79.95 One (1) DentaPure DP40 cartridge

### Government Price:

\$52.00 One (1) DentaPure DP40 cartridge. For **UPDATE**, [click here](#).

### ADVANTAGES:

- + Produced water that met current ADA recommendations.
- + No need for periodic waterline treatment procedures.
- + Uses simple technique that minimizes technician compliance.
- + Less likely to damage dental unit than bleach.
- + Can be installed on any independent water reservoir.
- + Minimal installation/replacement requirements.
- + Installation kit included.
- + User-friendly instructions.
- + Minimal maintenance.
- + Used cartridge can be discarded as ordinary waste.

### DISADVANTAGES:

- More expensive than diluted bleach.
- Flushing is recommended to maintain iodine levels at beginning of day and between patients.
- Manufacturer recommends waterlines be cleaned prior to initial installation.
- Manufacturer recommends cartridge be replaced after every 30 liters are treated.

### SUMMARY AND CONCLUSIONS:

The DentaPure DP40 was judged to be easy to install and use. During the four-week test period, all water samples tested met the ADA goal for microbiological quality. This product eliminates the need for periodic waterline treatment procedures and reduces the likelihood of damage to the dental unit as compared to diluted bleach. The main complaint noted was the cost compared to that of diluted bleach used as a germicide for waterline treatment procedures. This is, in large part, due to the need to replace the device every 30 liters of treated water. The **DentaPure DP40** cartridge is rated **Acceptable** for use by the federal dental services.

**UPDATE** In October 2000, the government price per cartridge was reduced. The following price schedule is now in place: \$37.99 for 1 to 11 cartridges, \$32.99 for 12 to 47 cartridges, and \$24.99 for 48 or more cartridges.

**UPDATE** It has come to DIS's attention that a mailing was made to federal dental service clinics in November, 2000 that stated that DIS had "approved" this product for use. That statement is incorrect. As our regular readers know, DIS does not "approve" or endorse any product. The DentaPure DP40 cartridge was rated "Acceptable" for use as noted in the report. Readers should be aware that there are several other products currently on the market that produce results that are the same or similar to those produced by the DentaPure DP40 Cartridge.

[Click here](#) for updated product information.