

REPLACEMENT PARTS AND ACCESSORIES:

Pocket clip – P/N 640007
Battery type N 1.5 v (set of 3) – P/N 630006
Standard Black Glass Light Guide - 3 mm – P/N 630003
Micro Tip Black Glass Light Guide – 2 mm – P/N 600045
Diffused Glass Light Guide – P/N 600053
Microlux Mirror Attachment – P/N 640014
Hi output white LED – P/N 630013
Microlux Transilluminator Protective Sleeve (box of 250) – P/N 600027
Microlux/DL Protective Sleeve (box of 250) – P/N 600065
Acetic Acid Solution (6 bottles) – P/N 110030
Acetic Acid Solution (12 bottles) – P/N 110032
Acetic Acid Solution (24 bottles) – P/N 110033

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Microlux/DL is a trademark of AdDent, Inc.
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MICROLUX™/DL

DEVICE DESCRIPTION:

Microlux/DL is a battery powered diffused blue white LED light source to be used for the examination of the oral mucosa.

INDICATIONS FOR USE:

This device is used as an aid to improve the visualization of oral lesions. It is designed to be used by a dentist or health care provider, in combination with a traditional examination by incandescent light.

THEORY OF OPERATION:

By having the patient rinse with a mild acetic acid solution, the refractile properties are changed. Together with the diffused light from the special Microlux/DL light guide, acetowhite or leukoplakic lesions become more visible.

MICROLUX/DL KIT COMPONENTS:

Each box contains the following components:

- Microlux/DL Rinse (1% Acetic Acid Solution) – 6 - 30 ml bottles. One 30 ml bottle per patient.
- Microlux/DL with diffused light guide.



MICROLUX/DL LIGHT SOURCE OPERATION AND FIRST TIME USE

INSTRUCTIONS FOR PERFORMING MICROLUX/DL EXAM:

1. A conventional examination of the oral cavity should be performed. The healthcare provider should carefully document the presence of any acetowhite lesions in any of the following locations:
 - Dorsal, lateral and ventral tongue; floor of mouth; attached gingiva; buccal mucosa; hard and soft palate.
2. The patient should now rinse their mouth with Microlux/DL rinse (1% acetic acid solution) for 60 seconds and then expectorate.
3. Turn off overhead light. The room need not be in complete darkness but rather should now be dimly lit.
4. Repeat the exam using illumination from the Microlux/DL. Look for acetowhite lesions – document location of lesions as in paragraph #1.
5. Next, have the patient rinse with water and expectorate. Most Microlux DL exams can be completed in less than three minutes – without discomfort or inconvenience to your patients.
6. Take appropriate action by either:
 - Documenting absence of acetowhite lesions.
 - Advise patient that lesions should be watched closely and schedule an appointment within a 2 week period.
 - Refer patient to oral surgeon for possible biopsy.
7. Document results of the examination.

CONTRAINDICATIONS:

The Microlux/DL should never be used without prior conventional oral examination with incandescent light.

WARNINGS/PRECAUTIONS MICROLUX/DL:

1. The Microlux/DL is to be used in addition to a conventional oral examination. Microlux/DL is not intended to be used for ranking or diagnosing acetowhite lesions.
2. Microlux/DL Rinse is not intended to be swallowed. It is harmless if it is accidentally ingested.
3. For oral use only. Keep out of reach of children.
4. Store Microlux/DL Rinse in a cool dry place.

ADVERSE EVENTS:

Not known.

Remove the strip isolating the batteries from the back of the Microlux by removing the end cap by turning counter clockwise. When replacing the end cap, be sure the cap is straight and then rotate clockwise until the light comes on. The end cap incorporates a push-button switch, which can be momentarily activated by unscrewing the cap slightly and depressing the black button.

WARNING

Insert the glass light guide into the plastic chuck with firm pressure. The stainless steel ferrule at the end of the light guide should be covered by the plastic chuck and a slight click may be heard. To remove, rotate slightly and pull on the light guide at the same time. This light guide is fragile – handle with care.

If the Microlux is to be placed back into the original box, be sure the end cap is rotated sufficiently counter clockwise so that the light doesn't come on.

MAINTENANCE

If the Microlux is not going to be used for more than six months, it is recommended that the batteries be removed.

When replacing batteries, it is important that they be placed in proper polarity. Place each battery with the positive (+) terminal in the front towards the LED.

CLEANING - HOUSING

The aluminum housing can be wiped down with most any disinfectant. Do not spray disinfectant onto unit. **Do not autoclave.**

Be especially careful not to get disinfectant into the front of the chuck assembly, since this could damage the LED contacts or reduce the light output.

CLEANING – DIFFUSED LIGHT GUIDE

The light guide can be wiped with disinfectant, cold sterilized, autoclaved, or heat sterilized. It is not recommended they be chemclaved.