

<p>† CATHOLIC HEALTH INITIATIVES</p> <p>Franciscan Health System</p> <p>St. Anthony Hospital Gig Harbor, WA St. Clare Hospital Lakewood, WA St. Francis Hospital Federal Way, WA St. Joseph Medical Center Tacoma, WA</p>	<p>WORK INSTRUCTION</p>	<p>DOCUMENT NUMBER R-W-HEM1414-01</p>
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<p>MICROSCOPE CLEANING INSTRUCTIONS</p>		

PURPOSE

To provide instruction for performing daily and weekly maintenance on the Nikon Eclipse 50i microscope.

BACKGROUND

Microscope optics are delicate and can be damaged by incorrect cleaning. Only authorized cleaning solutions should be used.

RELATED DOCUMENTS

Using the Nikon Eclipse 50i Microscope, R-W-HEM-1411-00

REAGENTS/EQUIPMENT

- Nikon Eclipse 50i microscope
- Lens paper, soft bristle brush
- Lens Cleaner


INSTRUCTIONS

DAILY CLEANING/MAINTENANCE

1. Gently brush the surface of the following microscope lenses using the soft bristle brush to remove particulate matter, if indicated.
 - Upper eye-piece lenses
 - Condenser top lens
 - Field Lens in the base of the microscope
2. Wipe down the outer microscope and stage using a general disinfectant cleaning agent.
3. Clean the objectives with lens cleaner and lens paper.
4. Align the optics using the Koehler Illumination technique described in work instruction, Using the Nikon Eclipse 50i Microscope.

WEEKLY CLEANING

1. Clean each objective on each microscope very thoroughly by using lens paper and lens cleaner to remove oil from the lens tip. For oil immersion lenses this step may need to be repeated several times. You may need to remove each objective to clean thoroughly.
2. Clean the exterior of the eyepieces, the condenser lens and casing, the field lens and the polarizing lenses using lens cleaner and lens paper.

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3. Wipe down the outer microscope surface and stage with a general disinfectant cleaning agent.
4. Continue the above steps for each microscope.

PROCEDURAL NOTES

1. Do not clean or remove internal optical parts.
2. Do not use cotton-swabs. It may result in lens scratches.
3. Methyl or ethyl alcohol cleaner is recommended for oil-immersion lenses
4. Do not use Kim-wipes or paper towels for lens cleaning.

REFERENCES

1. Instruction sheet supplied by Meridian Instrument Company, Inc.
2. Nikon Microscope Eclipse 50i Instructions