vetscan Imagyst®
Maintenance Guide

1. **Power down** the scanner by pressing the power button
2. Remove the **power cable** and the **network cable** from the back of the **scanner**
3. Slide the **topmost plate** to the front.
4. Wipe all **surfaces** with a **soft, damp, lint-free cloth and distilled water**
5. Use a cleaning swab/foam tip with distilled water for cleaning the edges
6. Dry all surfaces with a **soft, lint-free cloth or Kimwipes™**
7. Slide the **topmost plate** back to its normal position
8. Place a **protective cloth** on the **glass** beneath the **objective**
9. Clean the **objective** in place, using a **microfibre cloth** or **lens paper**. If necessary, try adding **warm distilled water** to the **cloth or using a cleaning swab/foam tip with lukewarm distilled water**
   a. **IMPORTANT**: Never pour or spray any liquids directly on the scanner
10. Re-connect the **power** and **network cables** and turn the **scanner** on
11. Verify cleaning by completing a scan and validating the images
12. If the scans are blurry, follow the In-Depth Cleaning procedure

In–Depth Cleaning
(Once a week or on demand*)

*When notified by tech support or pathologist response to a submitted test

1. **Power down** the scanner by pressing the power button
2. Remove the **power cable** and the **network cable** from the back of the **scanner**
3. Slide the **topmost plate** to the front and carefully remove the thin black cover plate by pushing, for example, the tip of a pen into the small hole under the right edge of the cover plate. **Note**: when removing the cover plate, be careful not to damage any optics on the scanner.
4. Wipe all **surfaces** with a **soft, damp, lint-free cloth**. You can use a **microscope cleaner.** (The Ocus® scanner has been tested with the Reagena™ microscope detergent.) As Reagena™(Propan-2-ol (Isopropyl Alcohol) & ammonia) is not available in New Zealand, DUKAL 853 Alcohol Isopropyl wipes and premium optical tissues could be used as an alternative.
5. Use a cleaning swab/foam tip with distilled water for cleaning the edges
6. Replace the thin **black cover plate**
7. Slide the **topmost plate** back to its normal position
8. Re-connect the **power** and **network cables** and turn the **scanner** on. Verify cleaning by completing a scan and validating the images by reviewing that:

   a. The **overview camera** produces good quality images
   b. **Live view** from **microscope camera** produces good quality images
   c. Scanning of a **known sample slide** produces good quality images

9. If the quality is still poor, redo all steps and use **Isopropyl Alcohol** (e.g. DUKAL 853 Alcohol Isopropyl wipes) for the cleaning and then follow the In-Depth Objective Cleaning procedure

In–Depth Objective Cleaning

Should the objective become dirty as a result of faecal sample material or immersion oil, perform these steps to clean it:

1. **Power down** the scanner by pressing the power button
2. Remove the **power cable** and the **network cable** from the back of the **scanner**
3. Place a **protective cloth** on the **glass** beneath the **objective**
4. Clean the **objective** in place, using a **microfibre cloth** or **lens paper**. If necessary, try adding **warm distilled water** to the c**loth or using a cleaning swab/foam tip with lukewarm distilled water**

    a. **IMPORTANT**: Never pour or spray any **liquids** directly on the **scanner**

5. If the **objective** does not come clean, carefully unscrew it.

Handle with Care: When handling the loose objective, do not touch either of the lenses to prevent dirt and damage.

6. Use the **microfibre cloth** and **warm distilled water** to clean the **lens**

    a. **IMPORTANT:** Both the top and bottom objective lenses can be cleaned
    - Use ionised compressed air for cleaning the inner objective lens
    - When needed, use lens paper that is moistened using lukewarm distilled water.
    - If water is not sufficient for cleaning the residue on the lens, use a solution of 70% IsoPropyl alcohol and 30% distilled water to moisten the lens paper

    b. **IMPORTANT:** Using acetone or xylene to clean the lens may damage it; however, if the lens is covered with glue/adhesive, cleaning the lens may require using stronger cleaners. Do not use cotton tipped applicator. Use swabs from the Starter Kit**

    **If you are unsure about what cleaner to use, please contact Zoetis Diagnostic Support (1800 270 727)

7. Use a bulb syringe to remove any **dust** from the **lens** and **scanner**
8. Replace the **objective** by screwing it back in place

    a. **IMPORTANT:** Do not forcefully screw the **objective** back onto the **scanner**

9. Remove the **cloth** covering the **glass**, replace the **power** and **network cables**, and turn the **scanner** on
10. Check the **scanner** by running a **test scan**

Zoetis Diagnostics Support:
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Learn more at zoetisdiagnostics.co.nz

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