Technical Note No. 994-0029 Rev. 2.0

Cleaning Guide: NucleoCounter® NC-250™ and NC-3000™

We recommend regular cleaning of the NucleoCounter® NC-250™ and NC-3000™ instruments to protect their surfaces and to ensure data image quality.

Cleaning the Exterior

When cleaning the exterior of the NucleoCounter® NC-250™ and NC-3000™ instrument, use a soft damp cloth and gently wipe the surface. If contamination does not come off immediately, rub gently with a cloth moistened with mild detergent. Never use organic solvents or aggressive detergents to clean the exterior of the NucleoCounter®.

Cleaning the Sample Tray

When cleaning the sample tray, take great care not to introduce any liquid or dust. Any liquid that enters the interior of the NucleoCounter® can damage the optical parts, compromising the quality of the cell count. The black surface of the sample tray is made of anodized aluminum and can therefore be wiped off with a clean, dry and dust-free cloth to avoid introducing fibers to the sample tray.

Always keep the sample tray inserted when the instrument is not in use to protect the optical parts inside the NucleoCounter® against dust and other contaminants.

Removing Dust Particles

The presence of an object or a particle (e.g. dust) will not normally influence counts made by the NucleoCounter®. The instrument will distinguish between cells and non-cells, since cells are generally significantly smaller.

However, the presence of objects on the surface of an optical component can affect the visual data display (see Figure 1).

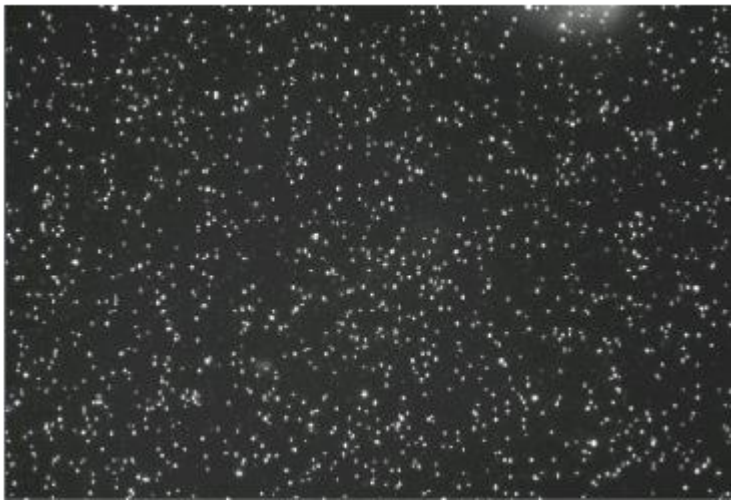

Figure 1. Contaminated optical system, visible as a white, cloudy phenomenon.

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We recommend to always keep the optical window/windows in the sample tray clean. To do so, place a clean swab from the NucleoCounter® Cleaning Kit on the inner part of the window, then move it outwards to clean. Repeat the motion for the entire optical window (see Figure 2).

Figure 2. Demonstration of how to clean the optical window using a Cleaning Kit swab.

Cleaning a Liquid Spill

Any liquid spilled on the instrument can contaminate elements of the optical system. As there is a risk of damaging the optical system while attempting to clean it, please consult ChemoMetec's Support Team at support@chemometec.com before attempting any cleaning.

Decontamination

In case your NucleoCounter® instrument requires decontamination, please contact ChemoMetec's Support Team at support@chemometec.com before taking any action.

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