

Dino-Lite
Digital Microscope **Medical**

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Dino-Lite CapillaryScope



CapillaryScope

Capillaroscopy is the examination of the capillaries (tiny blood vessels) of the skin at the nailrim. The Dino-Lite CapillaryScope can show the capillaries in high magnification, as well as the decrease in capillaries, knot formation in capillaries and bleeding. With this information doctors can diagnose the condition of the blood vessels in the rest of the body. Capillaroscopy of the cuticle can demonstrate, for example, scleroderma or dermatomyositis.

The Dino-Lite CapillaryScope has been specially developed for capillaroscopy of the cuticle. The images can be captured as still photos or video. The resolution of 1.3 megapixel and magnifications of 200 and around 500x assure the acquisition of clear pictures. The digital images can be stored on any digital medium.

The CapillaryScope does not need batteries as the microscope is powered through the USB connection. The built-in 8 LEDs can be enabled or disabled as desired and make an external light source unnecessary. Peering through a viewing lens is a thing of the past now that the picture can be viewed on the computer screen, laptop or Windows tablet, so that the images can also be seen by the patient.

The CapillaryScope has a robust plastic housing so that the device is suitable for intensive daily use. Of course this model is certified according to the Medical Devices Regulation (EU) 2017/745.

All the necessary software is included so you can get up to speed quickly.



Dino-Lite CapillaryScope

CapillaryScope 200 Pro MEDL4N PRO

The CapillaryScope 200 Pro (MEDL4N Pro) uses the latest, cutting-edge optics and offers superb image quality and color reproduction in a robust and compact housing. The CapillaryScope 200 Pro has a lower magnification than the CapillaryScope 500 Pro, but due to a larger Field of View (FOV) it will be possible to look at a higher number of capillaries in one picture.



usb 2.0



adjustable
~20-200x



magnification
lock



1.3 megapixel
1280 x 1024



polarizer
anti-reflection



8 white leds
switchable

CapillaryScope 500 Pro MEDL4N5 PRO

The CapillaryScope 500 Pro (MEDL4N5 Pro) uses the latest, cutting-edge optics and offers superb image quality and color reproduction in a robust and compact housing. With this compact and versatile digital CapillaryScope it is very easy to capture and store highly detailed nailfold capillaroscopy images at a high magnification rate of 500x.



usb 2.0



fixed
~500x



magnification
lock



1.3 megapixel
1280 x 1024



polarizer
anti-reflection



8 white leds
switchable

CapillaryScope 500 MEDL4N5

The CapillaryScope 500 (MEDL4N5) is a more budget friendly version within the Dino-Lite CapillaryScope range. With this compact and versatile digital CapillaryScope it is very easy to capture and store highly detailed nailfold capillaroscopy images at a high magnification rate of 500x.



usb 2.0



fixed
~500x



magnification
lock



1.3 megapixel
1280 x 1024



polarizer
anti-reflection



8 white leds
switchable



CapillaryScope in use

Faster diagnosis scleroderma with Dino-Lite CapillaryScope

If a patient has suspected systemic sclerosis, the Dino-Lite CapillaryScope can be used to make a quick and painless examination of the capillaries in the cuticle. Actelion Pharmaceuticals Ltd cooperates with rheumatologists to make this a generally used procedure.

Actelion Pharmaceuticals Ltd is originally a Swiss biopharmaceutical company focused on the discovery, development and marketing of orphan drugs on the market. "These are medications for unresolved medical problems which in most cases involves a small group of patients," says brand manager Peter Dingeldein of the Dutch division of Actelion Pharmaceuticals Ltd. Systemic sclerosis is one of the rare diseases for which the company is providing a drug. This rare chronic disease is caused by a disordered immune system, which is why this is called an autoimmune disease. In systemic sclerosis healthy tissue gets damaged and creates connective tissue. The vasculopathy is an important characteristic of this disease, that often results in painful sores on the fingers. Once patients arrive at this stage, this will have major impact on everyday life, as everyday activities, such as buttoning clothes and writing difficult.

Non-invasive investigation

Dingeldein: "There is increased attention to discover systemic sclerosis as early as possible. The idea is that the sooner you discover the disease, the better it is for the patient because the damage can be limited. If a patient is suspected of systemic sclerosis, then studying the capillaries in the

cuticle can provide more information about the diagnosis. This study goes well and fast with a Dino-Lite CapillaryScope. It is a simple, non-invasive and painless test that patients can watch themselves. That is reassuring for many people."

For the examination a drop of oil is placed on the cuticle and the CapillaryScope is placed on that spot. The capillaries in the cuticle are clearly visible with the magnification of 500x and thus any abnormalities suggestive of systemic sclerosis can be examined. In most cases, the rheumatologist can reassure the patient that there is nothing to worry about. For anomalies it is easy to make a picture or recording with the CapillaryScope to save to the patient's file. At the repeat visit, usually after six months, it can be established whether the situation has improved, remained stable or deteriorated. When a patient is diagnosed with systemic sclerosis the treatment (medication) can begin immediately.



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Dino-Lite medical products are class I medical devices according to the Medical Devices Regulation (EU) 2017/745

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