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# Velab VE-146YT Trinocular Epifluorescence Compound Microscope

Photographic documentation of equipment acquired through the Mexican National Science & Technology Council (CONACYT) 2019 grant #0299608 “Upgrade and Maintenance of Molecular and Biosafety Infrastructure: Human & Viral Genomics Laboratory, UASLP School of Medicine”.

# Epifluorescence Microscope

A fluorescence microscope uses UV-stimulated fluorescence and phosphorescence scattering, reflection, attenuation or absorption to explore the properties of organic or inorganic specimens. "Fluorescence microscope" refers to any microscope that uses fluorescence to generate an image, whether it is a more simple set up like an epifluorescence microscope or a more complicated design such as a confocal microscope, which uses optical sectioning to get better resolution of the fluorescence image.

The grant provided \$120 MXN (\$6,340 USD) for the acquisition of a single basic epifluorescence microscope capable of working with common fluorochromes. After requesting quotes a Velab SA de CV brand VE-146YT acquired through CTR SA de CV.

The VE-146YT trinocular fluorescence microscope with yellow-green observation effects on B-band with applicable ranges for FITC, acridine orange and auramine O. G-band red color with applicable ranges for TRITC, rhodamine B200 and propidium iodide. The VE-146 is used in the diagnosis of diseases, biochemistry, neurology, molecular biology, genetics, microbiology and research. It has a triocular Siedentopf type, 45° inclined and 360° rotation, with interpupillary distance adjustment between 48 - 75mm / 1.88" - 2.95". Adapted to fluorescence illumination and filter box with B, G and brightfield position. Includes polarized 360 ° rotation.

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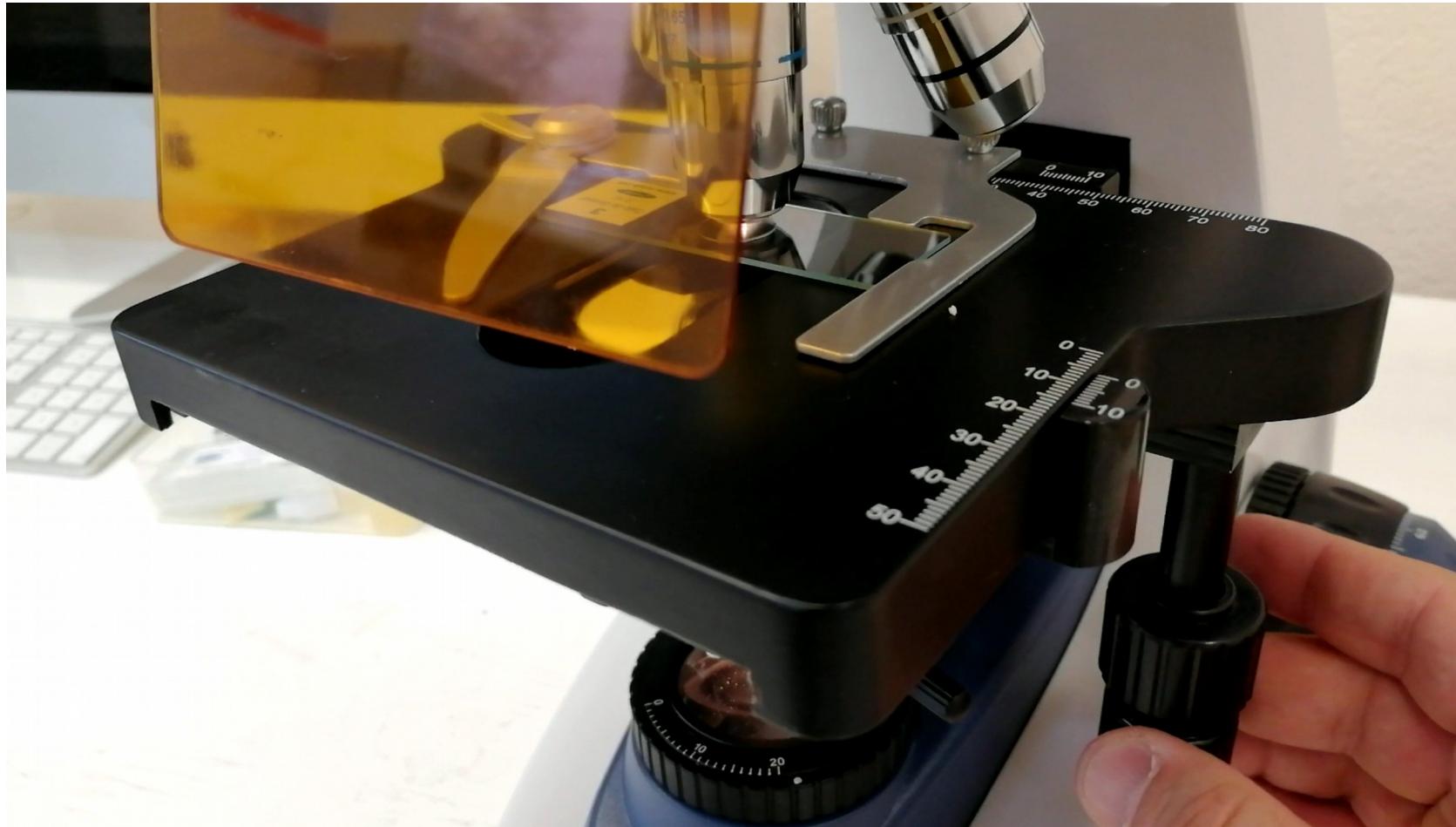
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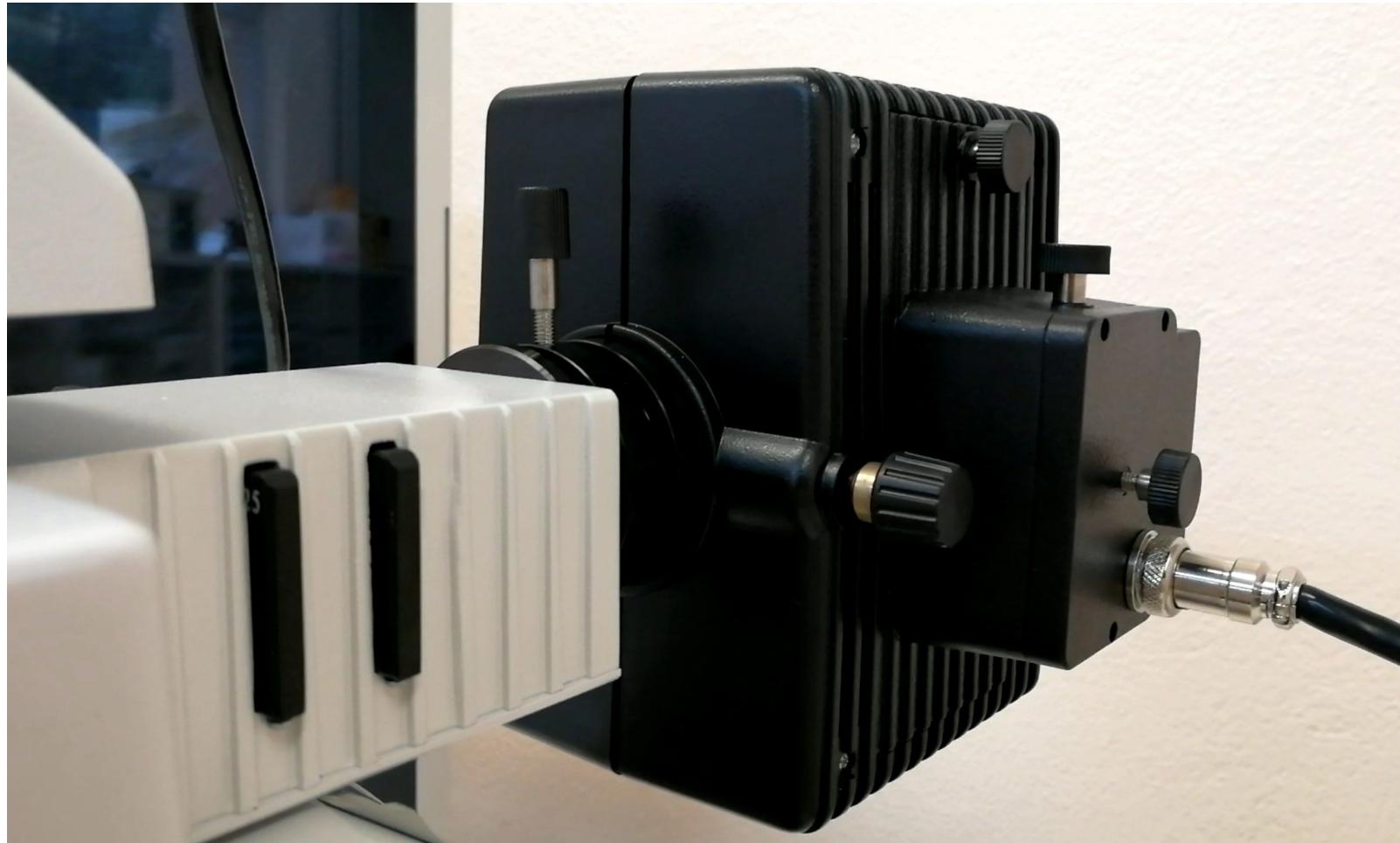
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## CONVOCATORIA 2019

Apoyos para Adquisición y Mantenimiento de Infraestructura en Instituciones y  
Laboratorios de Investigación Especializada  
Consejo Nacional de Ciencia y Tecnología (CONACYT)

Proyecto “Actualización y Mantenimiento de Infraestructura Molecular y de Bioseguridad: Laboratorio de Genómica Viral y Humana de la Facultad de Medicina UASLP.” (Fondo: F0003 Convocatoria F0003-2019-04, Modalidad A15 Infraestructura en CTI y servicios asociados a infraestructura, Solicitud 299608)

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