FACULTAD DE MEDICINA UASLP

LABORATORIO DE GENOMICA VIRAL Y HUMANA
FACULTAD DE MEDICINA
UASLP

Thermo Scientific NanoDrop One Microvolumetric UV/Vis Spectrophotometer

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”.

NanoDrop One Spectrophotometer

In molecular biology, quantitation of nucleic acids (DNA or RNA) is performed to determine the average concentrations of nucleic acids present in a mixture, along with their purity. Reactions that use nucleic acids often require particular amounts and purity for maximum performance. To date, there are two main approaches employed by scientists to quantitate, or establish the concentration, of nucleic acids (such as DNA or RNA) in a solution. These are spectrophotometric quantification and UV fluorescence tagging in presence of a DNA dye

The grant provided $400,000 MXN ($21,130 USD) for the acquisition of a single microvolumetric, standa alone UV-Visible Spectrohotometer. After requesting quotes a single Thermo Scientific NanoDrop One (Cat. No. 840274100) was acquired through Accesolab SA de CV.

The Thermo Scientific™ NanoDrop™ One microvolume spectrophotometer helps assess the quality of biological samples beore downstream applications. It includes full spectrum microvolume UV-Vis spectrophotometer with 190nm-850nm wavelength measurement range, 1 – 2 µL sample volume, 2 to 27,500 ng/µL dsDNA dynamic measuring range, features a column integrity sensor and a tilting and sliding screen. It is a standalone instrument which does not require a computer to run.

NanoDrop One Spectrophotometer

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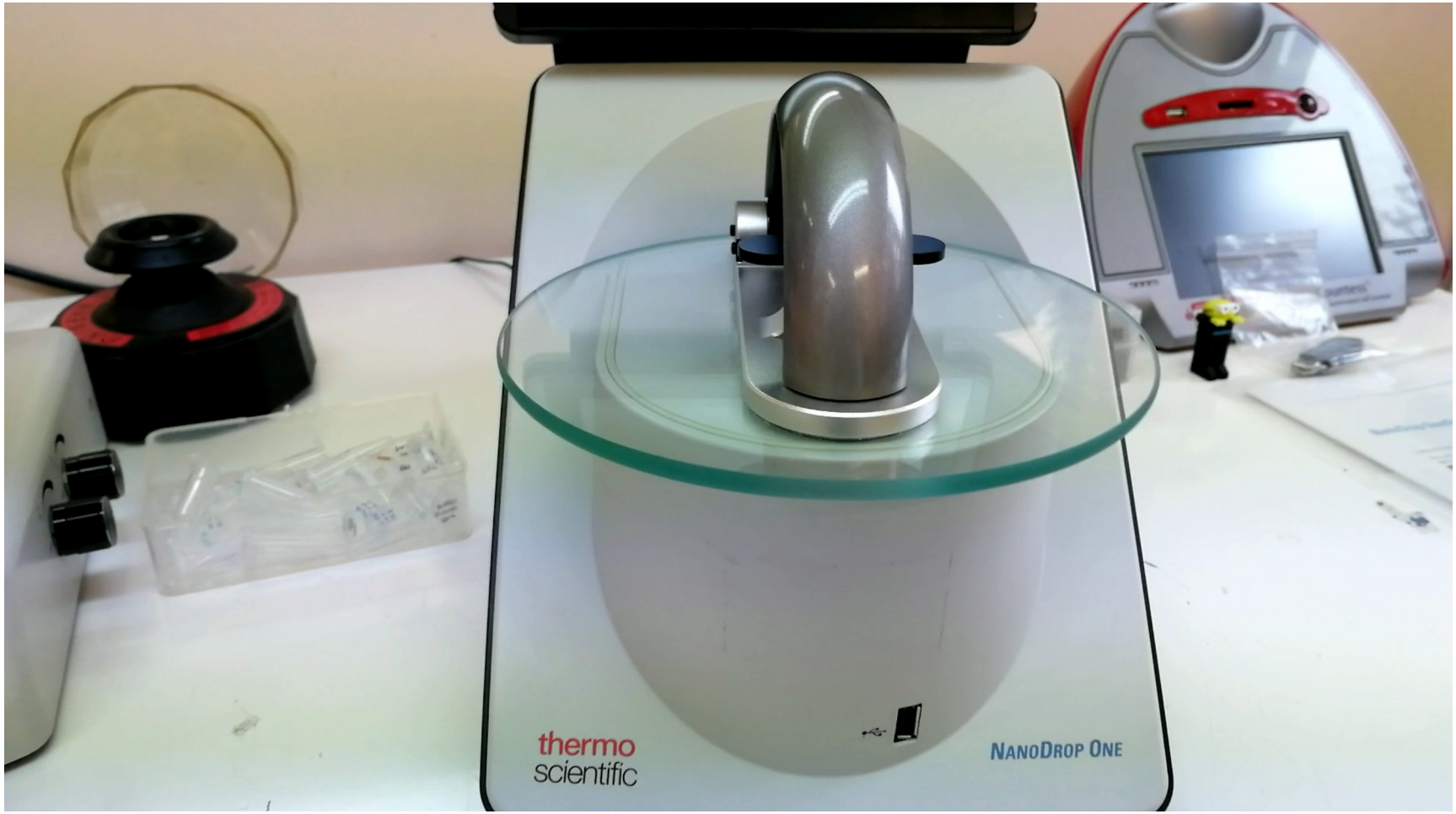

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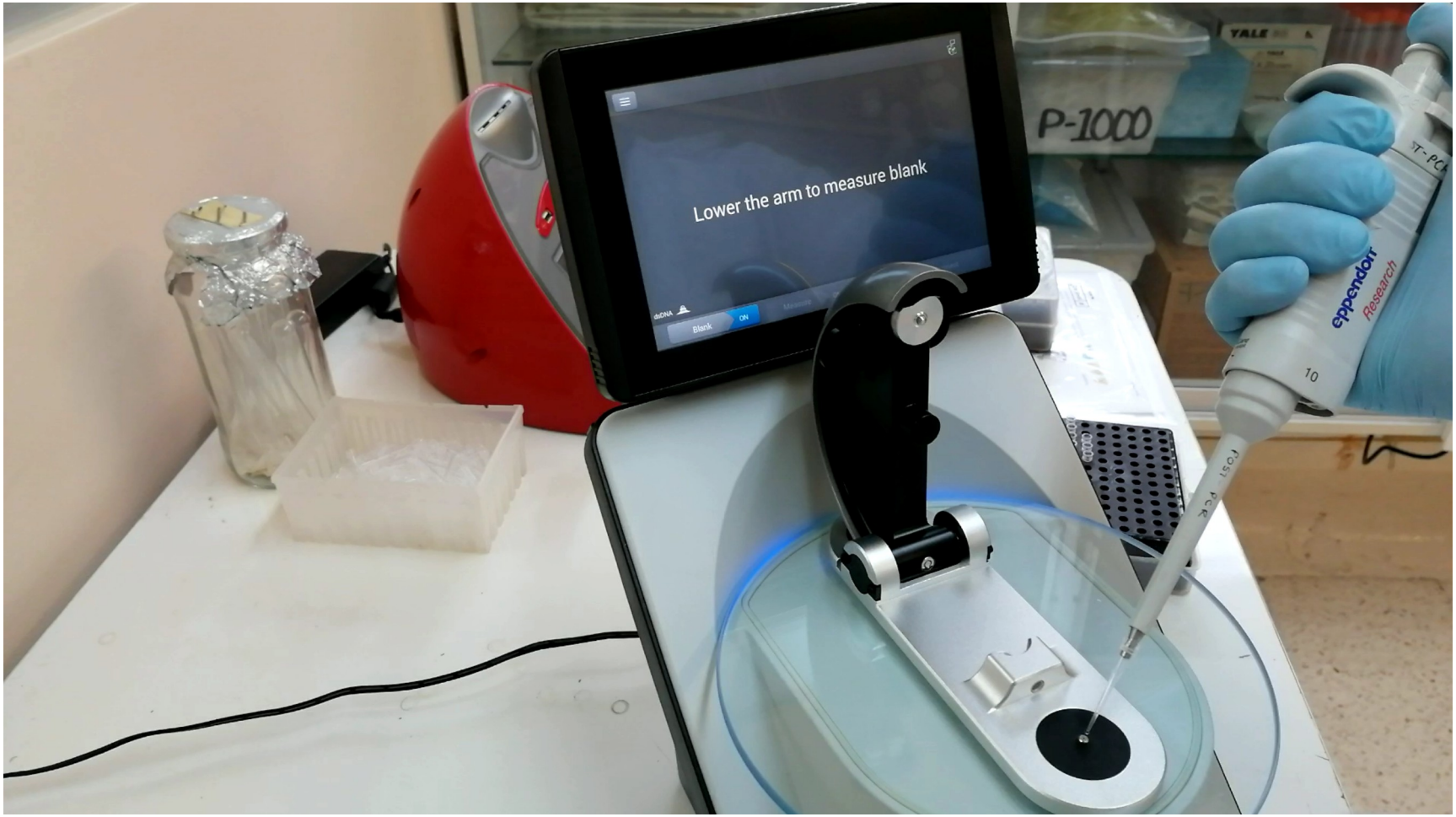

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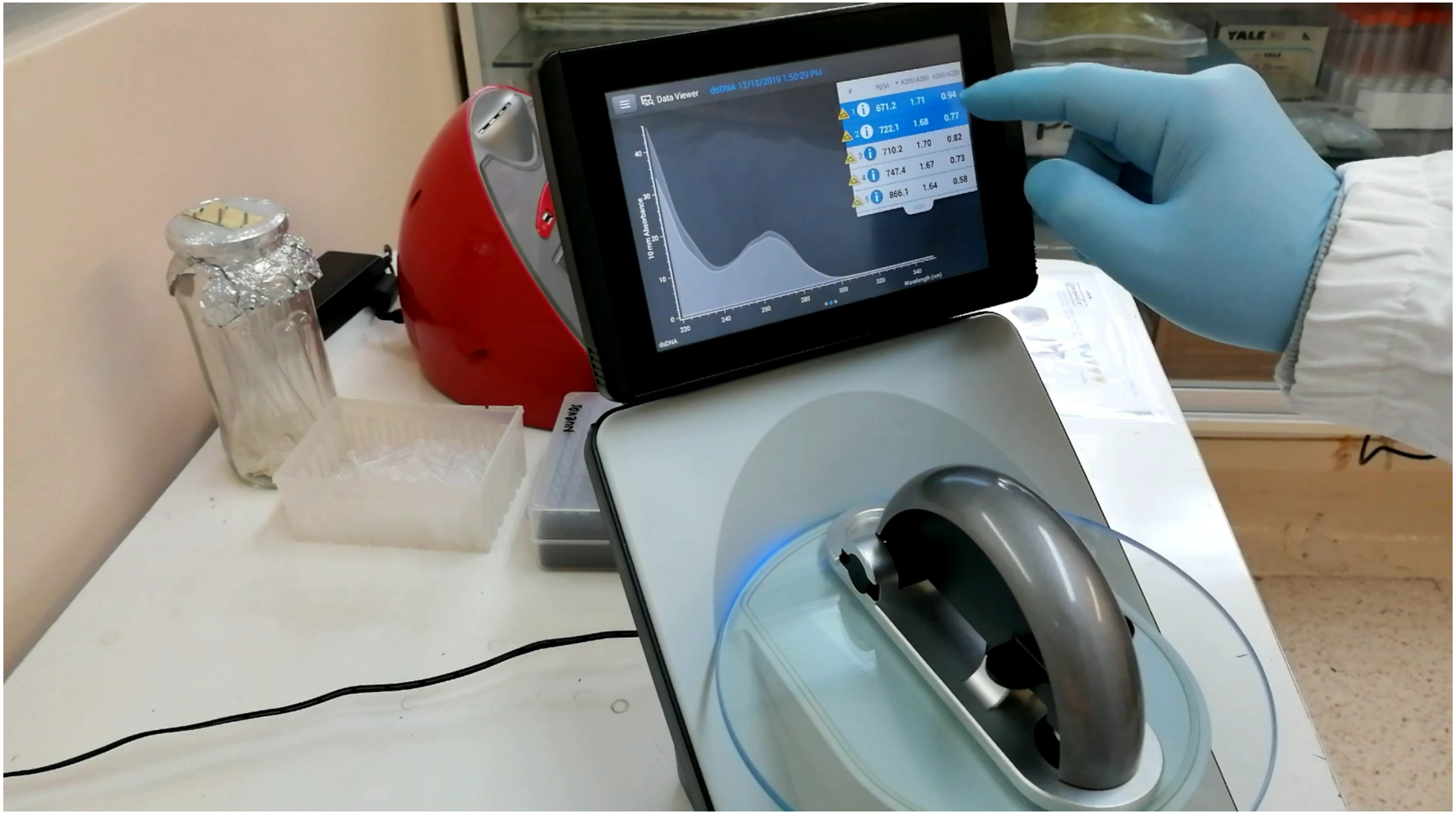

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CONVOCATORIA 2019

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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