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# Thermo Fisher Scientific Ultra-Low (-80°C) Revco Vertical Freezers

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”.

# Ultra-Low (-80°C) Freezers

An ultra low freezer is a refrigerator whose contents are stored at between -40 and -86°C either upright or as chest freezers. The inner volume being generally between 300 and 800 L. These freezers employ cascade refrigeration, have up to 20 times the energy footprint of household fridges, and commonly use hydrofluorocarbon R-508B refrigerants or Ethane and Propane.

The grant provided \$700,000 MXN (\$37,000 USD) for the acquisition of a single ultra low freezer of at least 24 cubic feet capacity. After requesting quotes a decision was made to acquire two 24 cf Thermo Fisher Scientific brand Revco RDE ultra low freezers (Cat. No. RDE50086FA) through CTR SA de CV.

Thermo Scientific Revco RDE Series Ultra-Low Temperature Freezers have an H-drive hydrocarbon refrigeration system that provides sustainable performance with reliability you can count on. Low peak variation helps ensure sample temperature protection throughout entire cabinet. Freezers have advanced security features: alarm settings, setpoint security passcode, and padlock-compatible doors which makes them optimal for biosecurity. Five inner doors minimize ambient temperature during sample retrieval.

One freezer was installed at the Human & Viral Genomics Laboratory while the second one was installed at the Neural Stem Cell Laboratory (CIACYT building, third floor) for redundant and secure biosecurity.

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Conexión: 4pm



6pm



8pm



10pm



3 de Dic de 2019  
7am

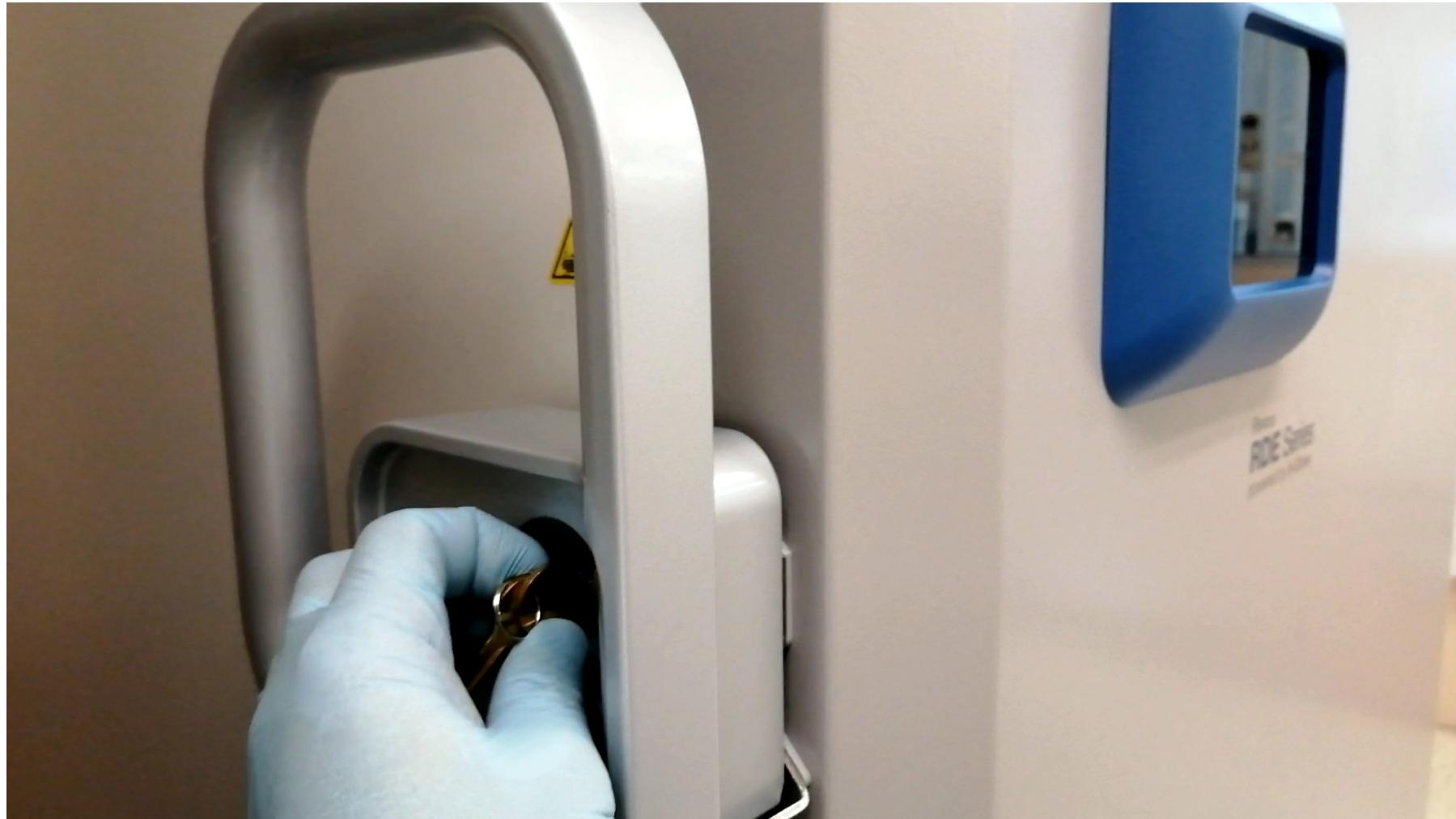
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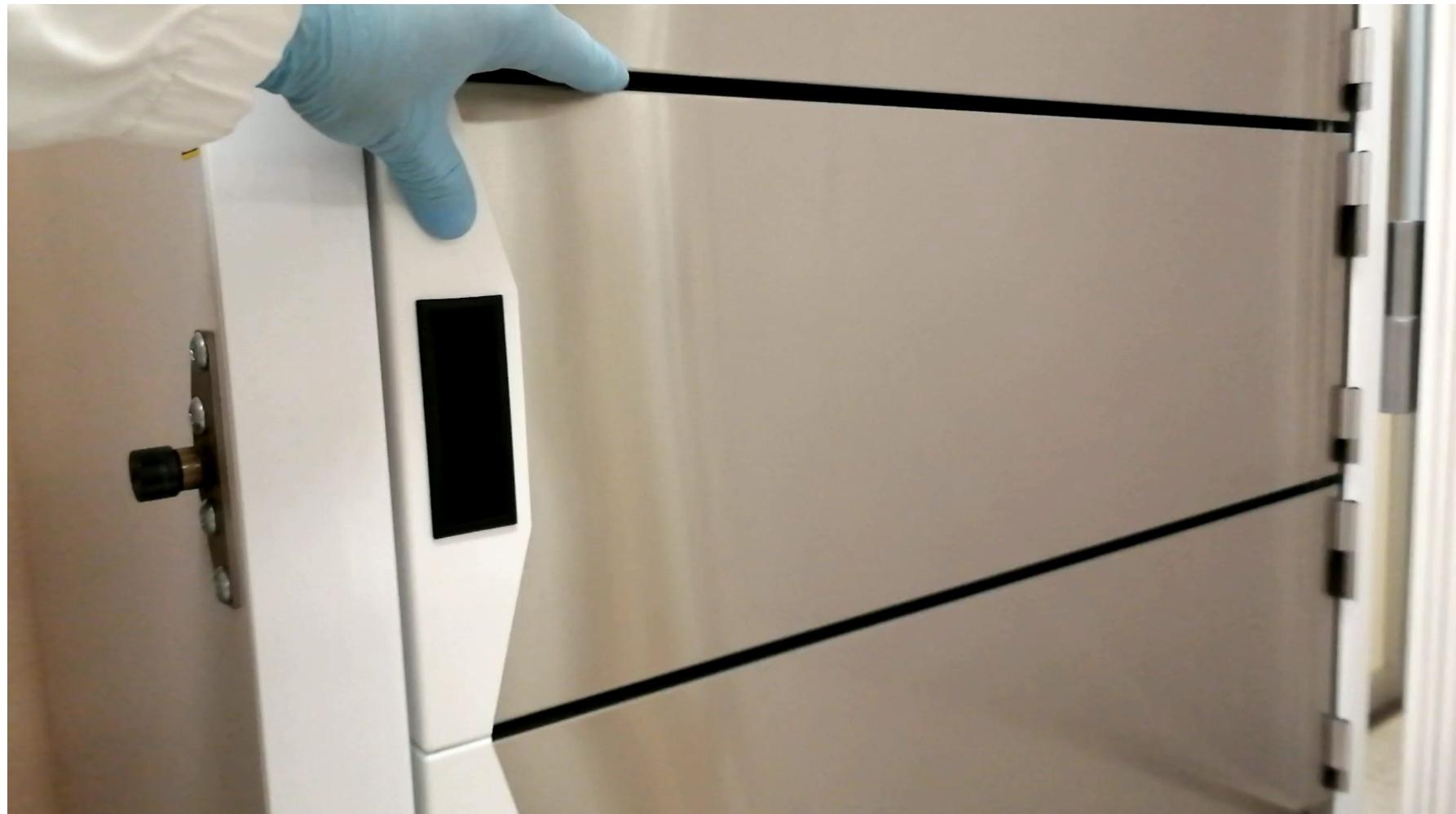
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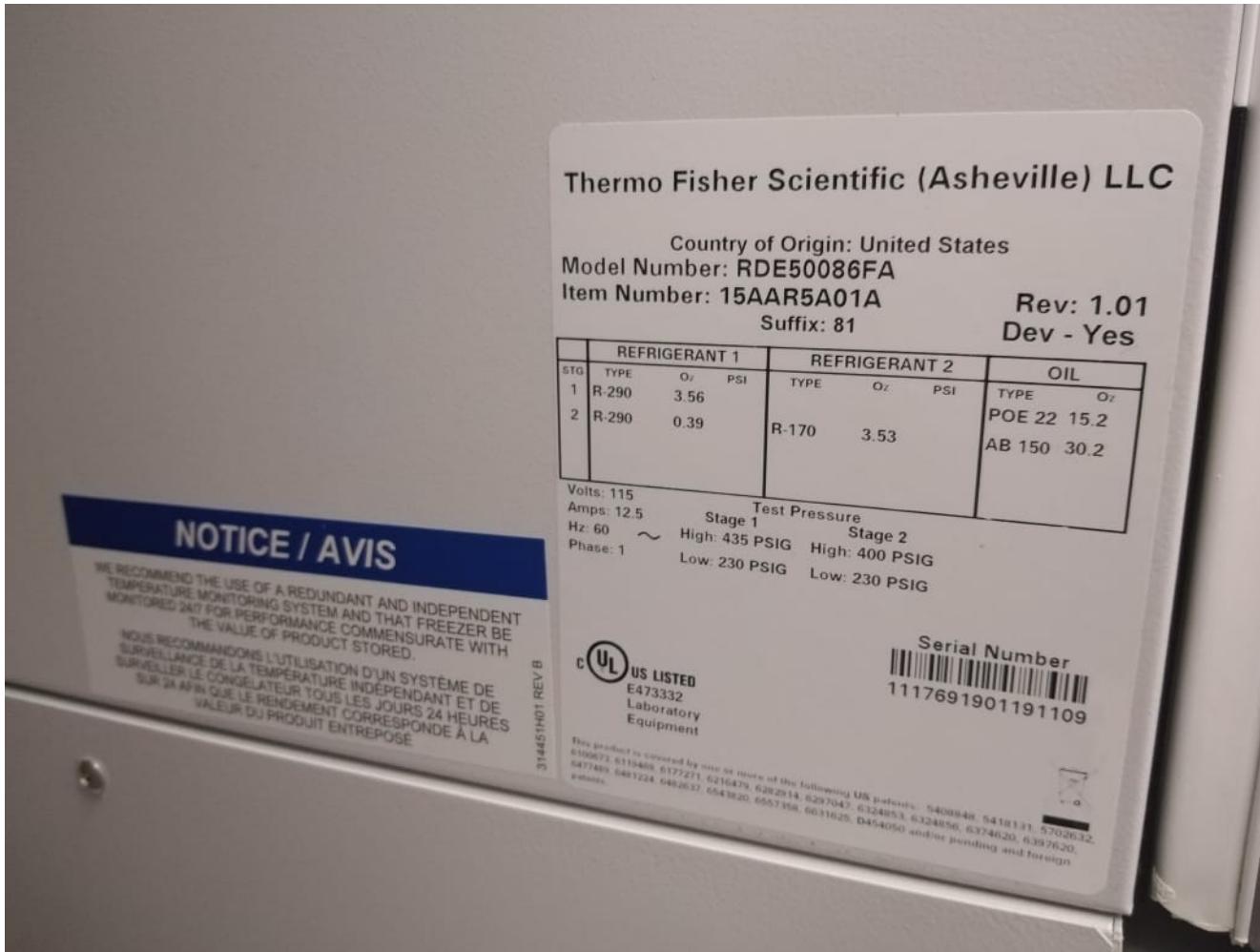
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## CONVOCATORIA 2019

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)

Laboratorio de Genómica Viral y Humana, Facultad de Medicina  
Universidad Autónoma de San Luis Potosí