

Mycology Laboratory

The Mycology laboratory carries out diagnosis activities on plant samples (grains, seeds, ornamentals, vegetables and fruit) in order to detect and identify phytopathogenic fungi of economic and quarantine importance, to prevent their entry or control their dispersion within Mexican territory.

In order to timely detect diseases of fungal origin, this diagnosis process is carried out by using artificial techniques (humid chamber and synthetic culture media), which provide favorable conditions for the pathogen to develop and be identified. In pursuance of detecting them, traditional techniques are applied. This implies morphological observation of reproduction structures through stereoscopic and compound microscopes, as well as molecular techniques, using a thermocycler and an electrophoresis chamber.

This process is complemented with a search in literature and the laboratory reference collection. Should verification be necessary, this sample is sent to domestic and international experts from institutions with which cooperation agreements have been signed.