



SOCIEDAD MEXICANA DE FITOPATOLOGÍA A.C.

LA SOCIEDAD MEXICANA DE FITOPATOLOGÍA A.C.

CONVOCA

13 de noviembre de 2023



Cursos Pre-Congreso

Isothermal DNA amplification for pathogen detection

Congreso: 20 al 25 de noviembre 2023

Outline for the lab course

Lecture (9:00 – 9:50 AM):

1. Comprehend the role of DNA in generating genotypic distinctions among the test samples of interest
2. Explore various DNA technology techniques, including DNA sequence diversity and uniqueness, DNA amplification (isothermal and conventional), and gel electrophoresis
3. Investigate and gain proficiency in the processes of DNA staining and data analysis

Lab (10:00 – 11:20 AM):

1. Isothermal amplification reaction
2. DNA staining and visualization

Group Discussion (11:30 – 11:50 AM):

1. Examine your samples and discuss importance of isothermal amplification reaction and DNA visualization
2. Summarize the process of DNA amplification and DNA staining using the appropriate terminology
3. Versatility of the isothermal amplification technologies

**Instructor: Kiwamu Tanaka, Ph.D. Department of Plant Pathology
Washington State University**

**Mayores Informes: Dr. Rubén Félix Gastélum
ruben.felix@uadeo.mx**

Atentamente

**Dr. Gabriel Rincón Enríquez. Presidente SMF. CIATEJ
Dr. Ruben Félix Gastélum. Coordinador Comité Local. UAdeO**



Edificio de CONACOFI- Colegio de Postgraduados, Carretera México-Texcoco Km. 36.5, Montecillo,
Texcoco de Mora, Estado de México, C.P. 56230., presidencia.smf.23.24@gmail.com