

Virtual labs NMSU
By M.E. Mohammed Mehdi Saleh

جمهورية العراق
وزارة التعليم العالي والبحث العلمي
جامعة الانبار



شعبة ابن سينا للتعليم الالكتروني

تقدم

Virtual Labs

المختبرات الافتراضية NMSU
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Virtual Labs

Using the Microscope

Gram Staining

Bacteria Sampling

Testing for Corn Mold Mycotoxins

Controlling Water Activity

Understanding Water Activity

Testing/Adjusting pH

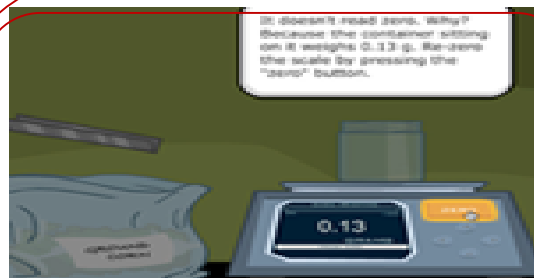
The pH Scale & Meter Calibration

These Virtual Labs help students learn basic laboratory techniques and practice methods used by lab technicians and researchers in a variety of careers, using specific food science lab processes.

It is easy for consumers to take safe food for granted: as most people don't understand the rigorous testing, research and assessment food and food processing requires. Healthy, safe food is of extreme importance and vital to human survival. Expert lab technicians help make sure that the food we eat and feed to our animals will not harm us or our livestock.

Explore the Food Safety Scientist Curriculum and incorporate hands-on laboratory experiments, discussion guides and more. Developed by SDSU Extension. <http://igrow.org/healthy-families/food-safety/food-safety-scientist/>

قائمة التجارب المتاحة



Testing for Corn Mold

The process of testing corn for the presence of aflatoxin.

اختر التجربة المطلوبة للبدء بالعمل



Bacteria Sampling

Testing milk samples for bacterial contamination with various disposable lab equipment.



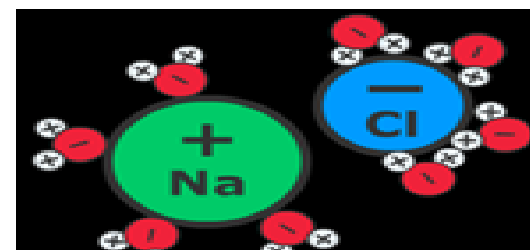
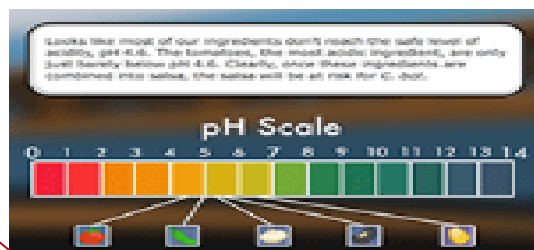
Gram Staining

Using gram staining to test the yogurt sample for bacterial contamination.



Using the Microscope

Learning to use the microscope to view what type of bacteria is contaminating the yogurt sample.



Corn Mold Test Mycotoxins

Testing for Corn Mold

Intro & Objectives

Presumptive test

Aflatoxin test

Weighing sample

Extracting toxins

Diluting sample

Detecting toxin

Credits

Welcome, lab assistant. We have important work for you. Mold on corn can produce toxins that make people sick. We need you to test for the presence of these toxins.

next

ابدا العمل بالنقر على next
اتباع التعليمات في التجربة