

# Influenza Kit - ELISA Test Lab - Anti-Flu Antibody Detection

## Table of Contents

This section contains information about the ELISA test. The ELISA is a test that can measure the presence of proteins. In this kit, the ELISA test is used to detect the presence of anti-flu antibodies.

The materials include information about:

- the immune system
- antibody structure and function
- the ELISA test
- Instructions for assembling antibody models (developed by Science Education Partnership at FHCRC)
- Instructions for assembling ELISA models

The 'Indirect ELISA Model Information' documents contain the information necessary to assemble the ELISA models used in this curriculum.

## A. ELISA Test Slide Decks

Understanding ELISAs PPT

## B. ELISA Supporting Documents and Worksheets

This section contains information about the ELISA test. The ELISA is a test that can measure the presence of proteins. In this kit, the ELISA test is used to detect the presence of antibodies specific for the Influenza virus.

ELISA Venn Diagram

ELISA Comparison Venn Diagram Worksheet Key

Indirect ELISA Model Building Information

Indirect ELISA Model Key Cards

Influenza Outbreak\_ELISA Teacher Preparation

ELISA Animations

Sample Influenza ELISA Results with sample OD values

Influenza Outbreak\_ELISA KEY

Protein A-HRP ELISA Testing ppt

### C. ELISA Test Protocol

Influenza Outbreak\_ELISA-Protocol

### D. Standard Curve Graphing

Graphing the ELISA standard curve - Mac

Graphing the ELISA standard curve - PC

### F. ELISA Test Virtual Data Set

An electronic data set of the Influenza ELISA assays for all 'patients', which can be used to teach this lab virtually is found here in two versions: ppt (editable) and pdf (non-editable).

Influenza Outbreak Investigation Kit ELISA Virtual Data Set