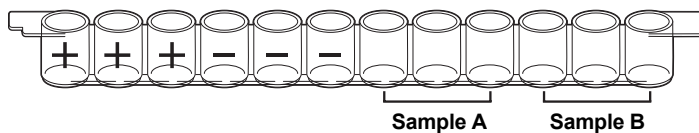


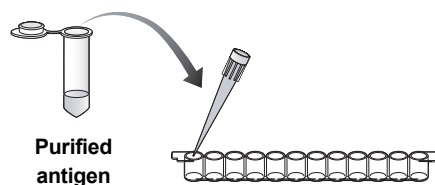
Laboratory Quick Guide

ELISA Antibody Test

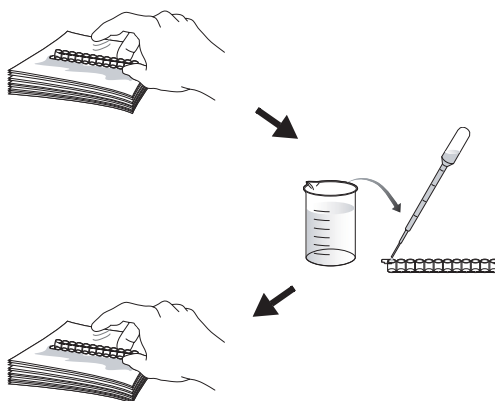
1. Label your 12-well strip. On each strip label the first 3 wells with a "+" for the positive controls and the next 3 wells with a "-" for the negative controls. Label the remaining wells to identify the samples being tested (3 wells each).



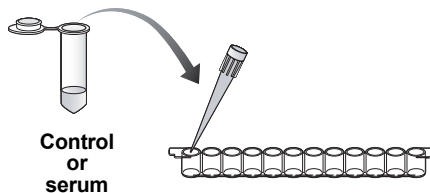
2. Use a fresh pipet tip to transfer 50 μ l of purified antigen (AG) into all 12 wells of the microplate strip.
3. Wait 5 minutes for the antigen to bind to the plastic wells.
4. WASH:



- a. Tip the microplate strip upside down onto the paper towels, and gently tap the strip a few times upside down.
- b. Discard the top paper towel.
- c. Use a transfer pipet to fill each well with wash buffer.
- d. Tip the microplate strip upside down onto the paper towels and tap.
- e. Discard the top 2–3 paper towels.



5. Use a fresh pipet tip to transfer 50 μ l of the positive control (+) into the three "+" wells.
6. Use a fresh pipet tip to transfer 50 μ l of the negative control (-) into the three "-" wells.
7. Transfer 50 μ l of each of your team's serum samples into the appropriately initialed three wells, using a fresh pipet tip for each serum sample.

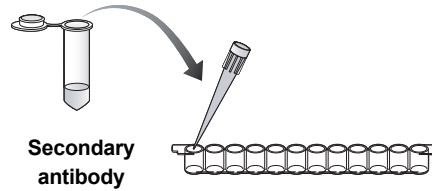


8. Wait 5 minutes for the antibodies to bind to their targets.

9. Wash the unbound primary antibody out of the wells by repeating all of wash step 4.

WASH

10. Use a fresh pipet tip to transfer 50 μ l of secondary antibody (SA) into all 12 wells of the microplate strip.

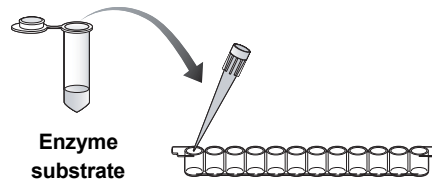


11. Wait 5 minutes for the antibodies to bind to their targets.

12. Wash the unbound secondary antibody out of the wells by repeating wash step 4 **two times**.

WASH 2x

13. Use a fresh pipet tip to transfer 50 μ l of enzyme substrate (SUB) into all 12 wells of the microplate strip.



14. Wait 5 minutes. Observe and record the results.



BIO-RAD

**Bio-Rad
Laboratories, Inc.**

*Life Science
Group*

Web site www.bio-rad.com **USA** (800) 4BIORAD **Australia** 02 9914 2800 **Austria** (01)-877 89 01 **Belgium** 09-385 55 11 **Brazil** 55 21 2527 3454
Canada (905) 712-2771 **China** (86-21) 63052255 **Czech Republic** + 420 2 41 43 05 32 **Denmark** 44 52 10 00 **Finland** 09 804 22 00
France 01 47 95 69 65 **Germany** 089 318 84-0 **Hong Kong** 852-2789-3300 **Hungary** 36 1 455 8800 **India** (91-124)-6398112/113/114, 6450092/93
Israel 03 951 4127 **Italy** 39 02 216091 **Japan** 03-5811-6270 **Korea** 82-2-3473-4460 **Latin America** 305-894-5950 **Mexico** 55-52-00-05-20
The Netherlands 0318-540666 **New Zealand** 64 9 415 2280 **Norway** 23 38 41 30 **Poland** + 48 22 331 99 99 **Portugal** 351-21-472-7700
Russia 7 095 721 1404 **Singapore** 65-6415 3188 **South Africa** 00 27 11 4428508 **Spain** 34 91 590 5200 **Sweden** 08 555 12700
Switzerland 061 717-9555 **Taiwan** (8862) 2578-7189/2578-7241 **United Kingdom** 020 8328 2000