# Centers for Disease Control and Prevention Model Performance Evaluation Program Human T-Lymphotropic Virus Types I and II (HTLV-I/II) Testing

Figures Used to Summarize the Candidate Reference Laboratory Results for the April 7, 1997 Shipment

### U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES



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Report of the April 7, 1997 Human T-lymphotropic virus types I and II (HTLV-I/II) Performance Evaluation Sample Testing Results Provided by Candidate Reference Laboratories in the Model Performance Evaluation Program, Centers for Disease Control and Prevention (CDC).

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## Centers for Disease Control and Prevention (CDC) Model Performance Evaluation Program Human T-Lymphotropic Virus Types I and II (HTLV-I/II) Testing April 7, 1997 Candidate Reference Laboratory Shipment

### Table 1

Vial Label Number	CDC Donor Number	CDC Contractor Result <sup>2</sup>	Laboratory Interpretation <sup>1</sup> EIA		
Number	Number	Nosuit	INIT. <sup>3</sup> FINAL <sup>4</sup>	WB	IIF
01	04	Positive			
02	12	Negative			
03	06	Positive			
04	01	Positive			
05	08	Positive			
06	16	Negative	<u> </u>		
07	14	Negative			
08	07	Positive	<u> </u>		
09	05	Positive	<u> </u>		
10	09	Negative			
11	13	Negative	<u> </u>		
12	15	Negative			
13	10	Negative	<u> </u>		
14	03	Positive	<u> </u>		
15	11	Negative	<u> </u>		
16	02	Positive			

Laboratory Interpretation space (to be completed by candidate reference laboratory) provided to facilitate comparison of candidate reference laboratory result with CDC result.

<sup>&</sup>lt;sup>2</sup> The CDC result was obtained by contractor after composite EIA, WB, and RIPA testing, and employing the interpretation criteria of the Public Health Service Working Group.

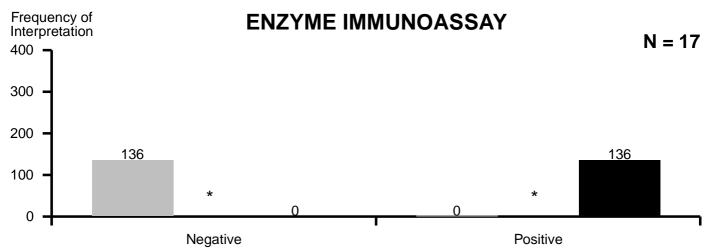
Initial EIA interpretation

Final EIA interpretation

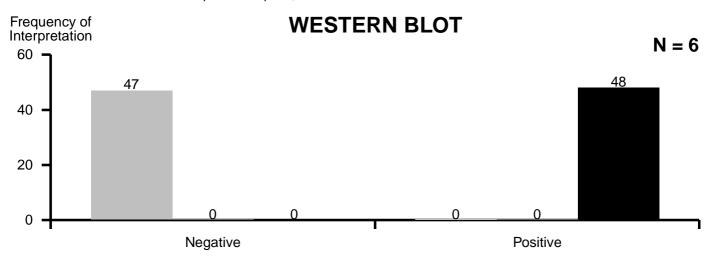
## SUPPLEMENTAL INFORMATION FOR COMPREHENDING THE NUMBERS USED TO LABEL FIGURES IN THIS REPORT

The "N=" that appears on each graph represents the number of laboratories that reported results. For some graphs, laboratories reported results using more than one test; therefore, the number of results may exceed the actual number of laboratories providing reports. In figures 1-7, the vertical axis is labeled either as frequency or percentage of results; in figures 8 and 9, this axis is labeled as percentage of reports. However, in all figures, the number appearing directly above or within each bar represents a frequency of results only.

Figure 1. Frequency of HTLV-I/II antibody test result interpretations, by sample type (reactivity), for enzyme immunoassay (EIA), Western blot (WB), and indirect immunofluorescence (IIF), reported by reference laboratories for the April 7, 1997 shipment



\* = Indeterminate is not an EIA interpretation option; these areas have been left blank



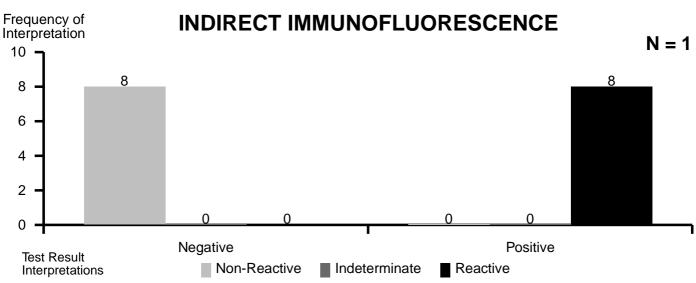


Figure 2. Percentage of HTLV-I/II reference laboratories, by laboratory type, that reported EIA, WB, and IIF results to the CDC for the April 7, 1997 shipment

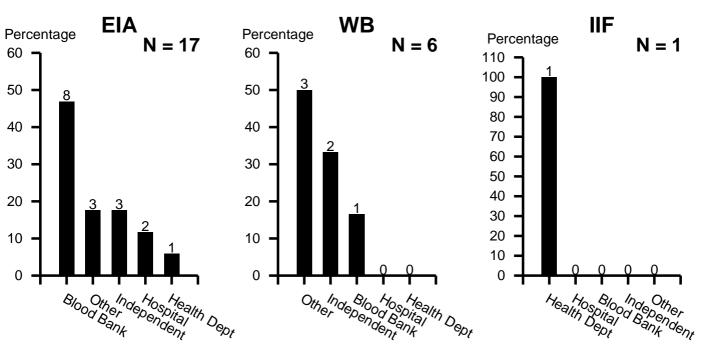


Figure 3. Combination of HTLV-I/II antibody tests reported by reference laboratories for the April 7, 1997 shipment

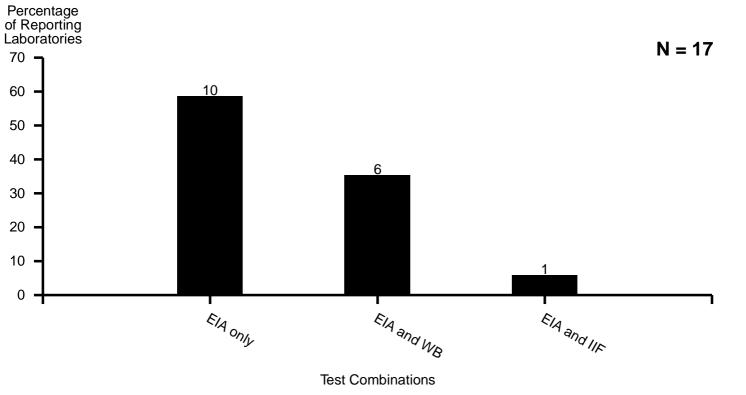


Figure 4. Types of HTLV-I/II antibody test kits used for enzyme immunoassay, Western blot, and indirect immunofluorescence, as reported by reference laboratories to the CDC for the April 7, 1997 shipment

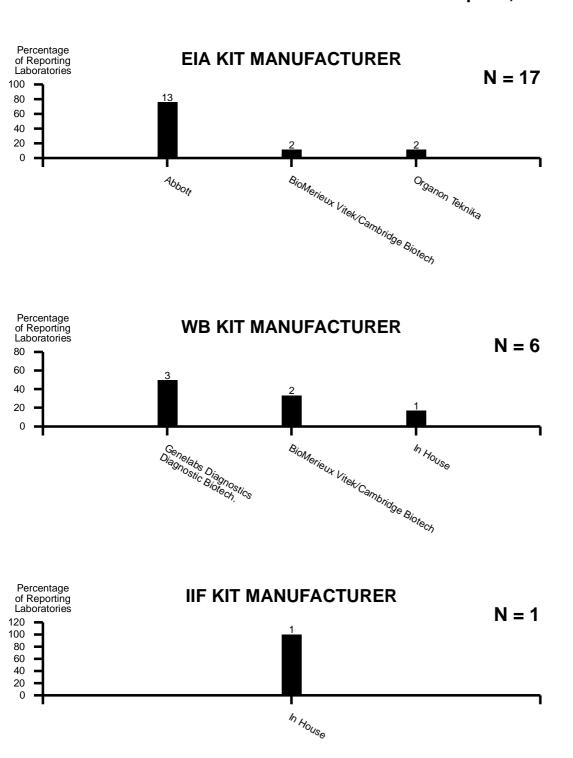
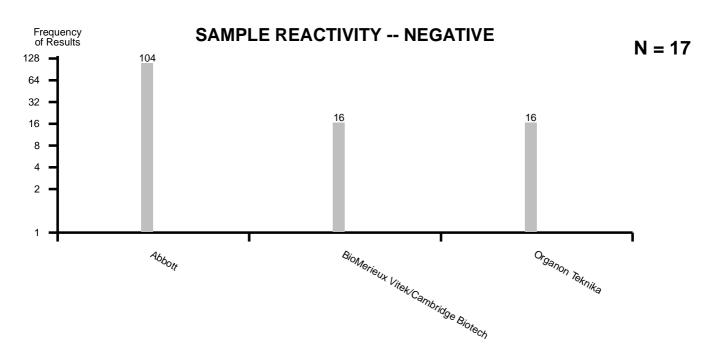


Figure 5. Enzyme immunoassay HTLV-I/II antibody test results, by kit manufacturer, reported by reference laboratories for the April 7, 1997 shipment



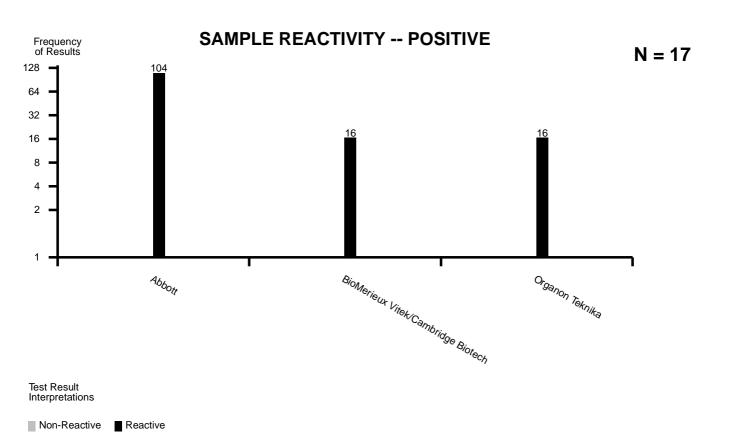
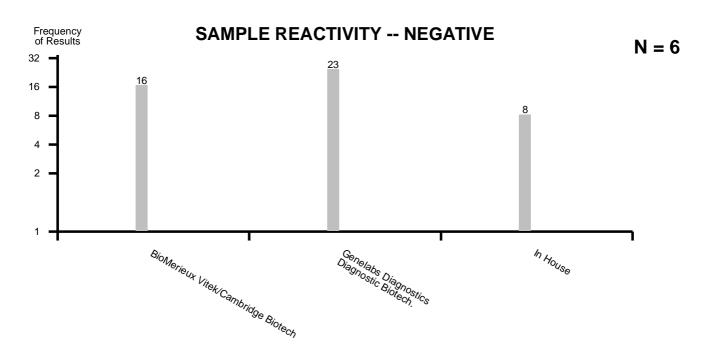


Figure 6. Western blot HTLV-I/II antibody test results, by kit manufacturer, reported by reference laboratories for the April 7, 1997 shipment



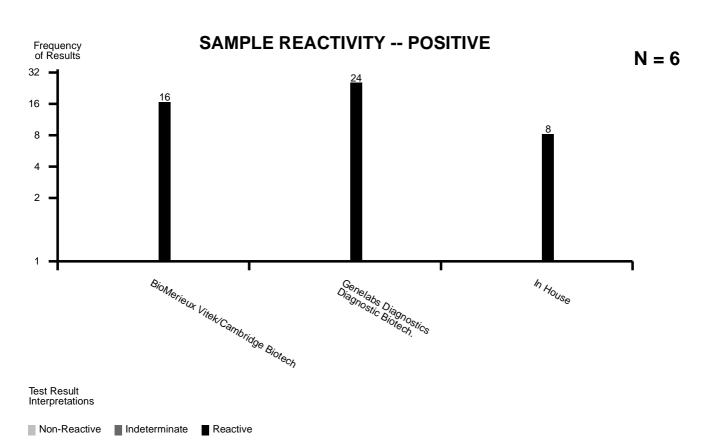
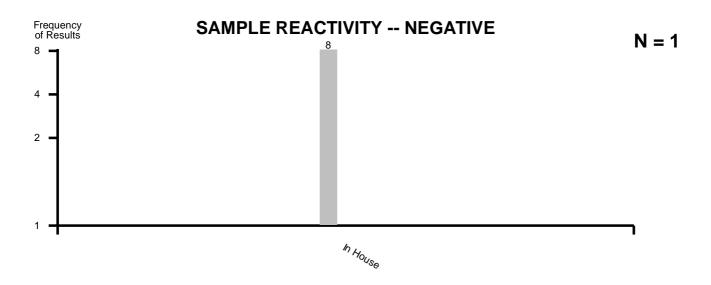
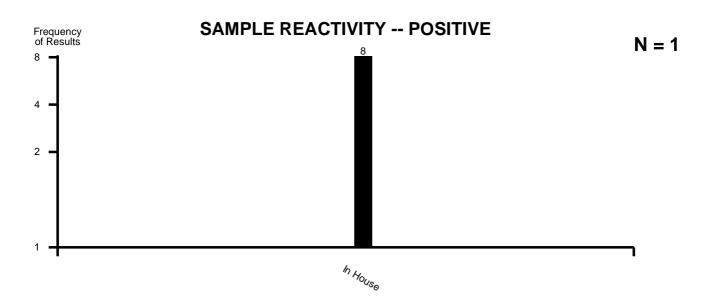


Figure 7. Indirect immunofluorescence HTLV-I/II antibody test results, by kit manufacturer, reported by reference laboratories for the April 7, 1997 shipment





Test Result

Figure 8. Western blot HTLV-I/II antibody band patterns reported to CDC by reference laboratories for the April 7, 1997 shipment

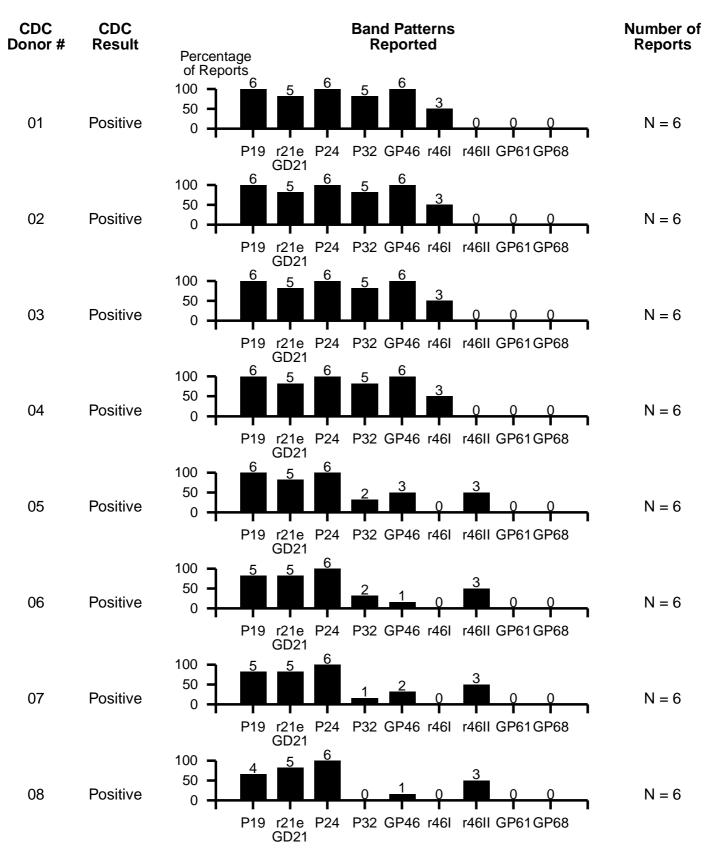


Figure 8. Western blot HTLV-I/II antibody band patterns reported to CDC by reference laboratories for the April 7, 1997 shipment

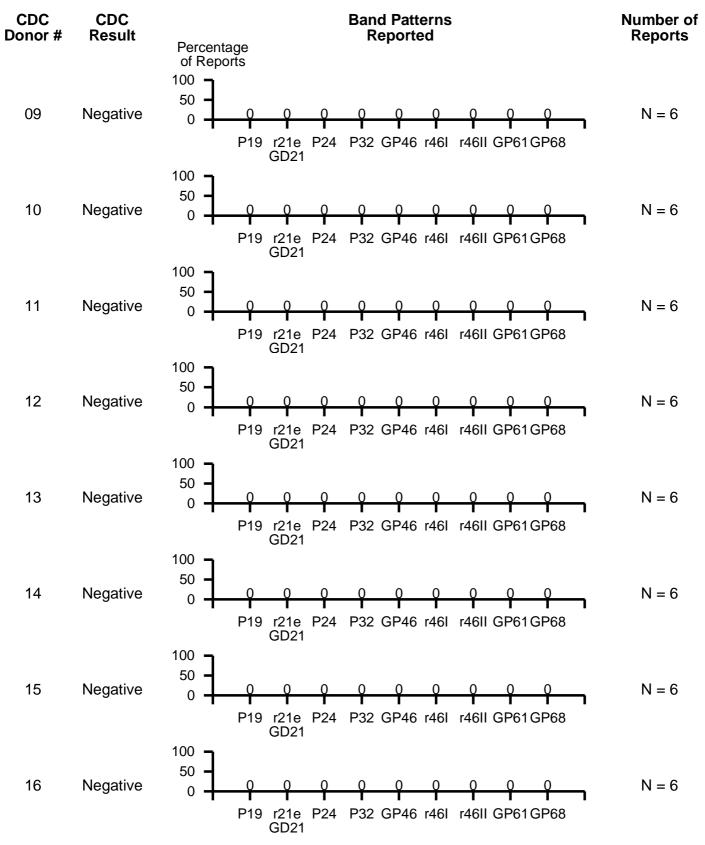


Figure 9. Fluorescence intensity patterns, of HTLV-I/II-infected cells, for IIF results reported to CDC by reference laboratories for the April 7, 1997 shipment

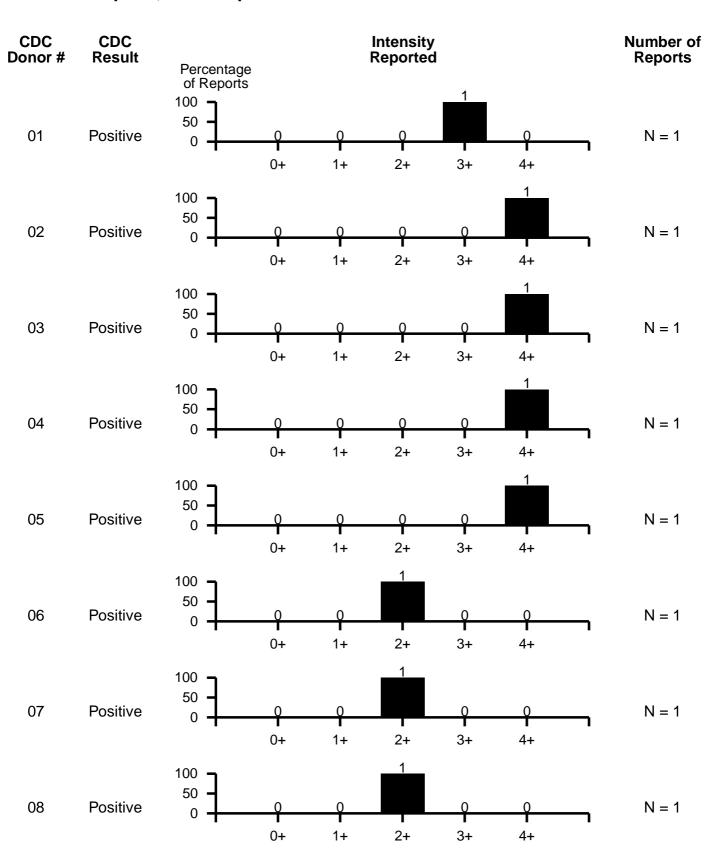


Figure 9. Fluorescence intensity patterns, of HTLV-I/II-infected cells, for IIF results reported to CDC by reference laboratories for the April 7, 1997 shipment

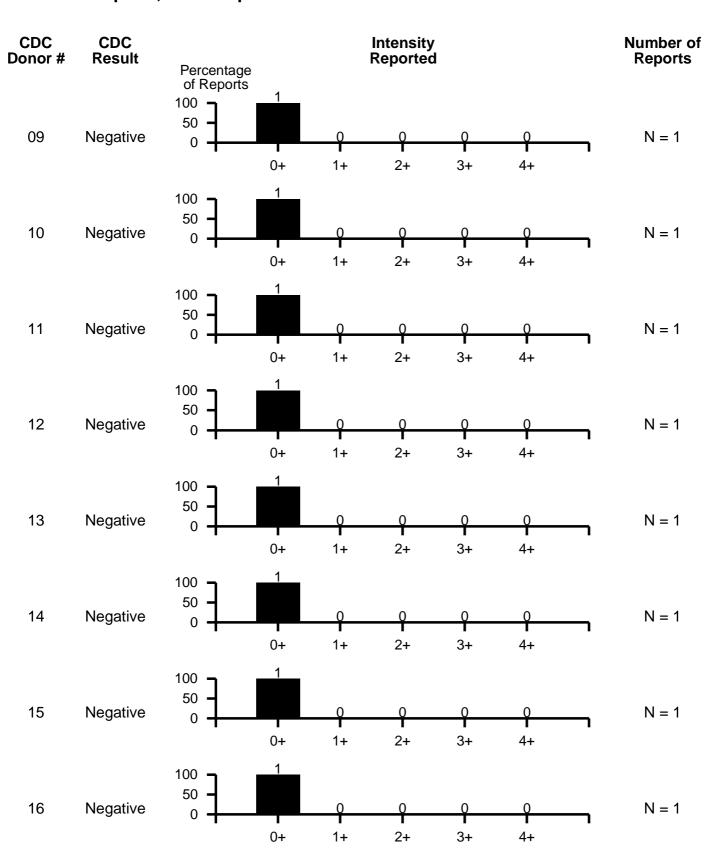
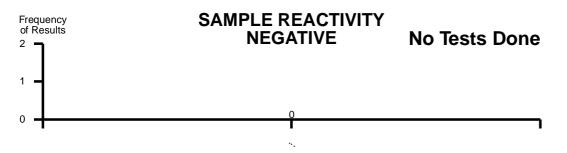
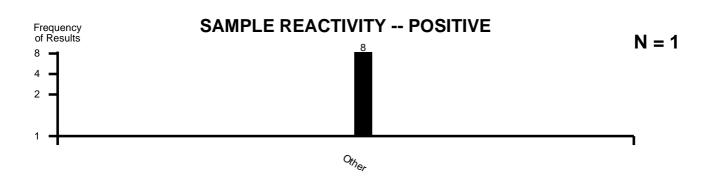


Figure 10. Types of 'Other' HTLV antibody test kits used and results reported by reference laboratories to the CDC for the April 7, 1997 shipment







Test Result Interpretations

■ Non-Reactive ■ Indeterminate ■ Reactive