

**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
Participant Laboratory Results
for the May 2001 Shipment**

**U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES
Centers for Disease Control and Prevention
Public Health Practice Program Office
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**Report of the May 2001 Human T-lymphotropic Virus Types I and II
(HTLV-I/II) Performance Evaluation Sample Testing Results Provided by
Participant 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
May 2001 Participant Laboratory Shipment**

Table 1

Panel Letter	Vial Label	CDC Donor Number	CDC Contractor Result ²	Laboratory Interpretation ¹			
				INIT. ³	FINAL ⁴	WB	IIF
A	A1, A6	1	Negative	—	—	—	—
	A2, A5	2	Positive, HTLV-II	—	—	—	—
	A3	3	Positive, HTLV-I	—	—	—	—
	A4	4	Negative	—	—	—	—
B	B1	3	Positive, HTLV-I	—	—	—	—
	B2, B4	2	Positive, HTLV-II	—	—	—	—
	B3, B5	1	Negative	—	—	—	—
	B6	4	Negative	—	—	—	—

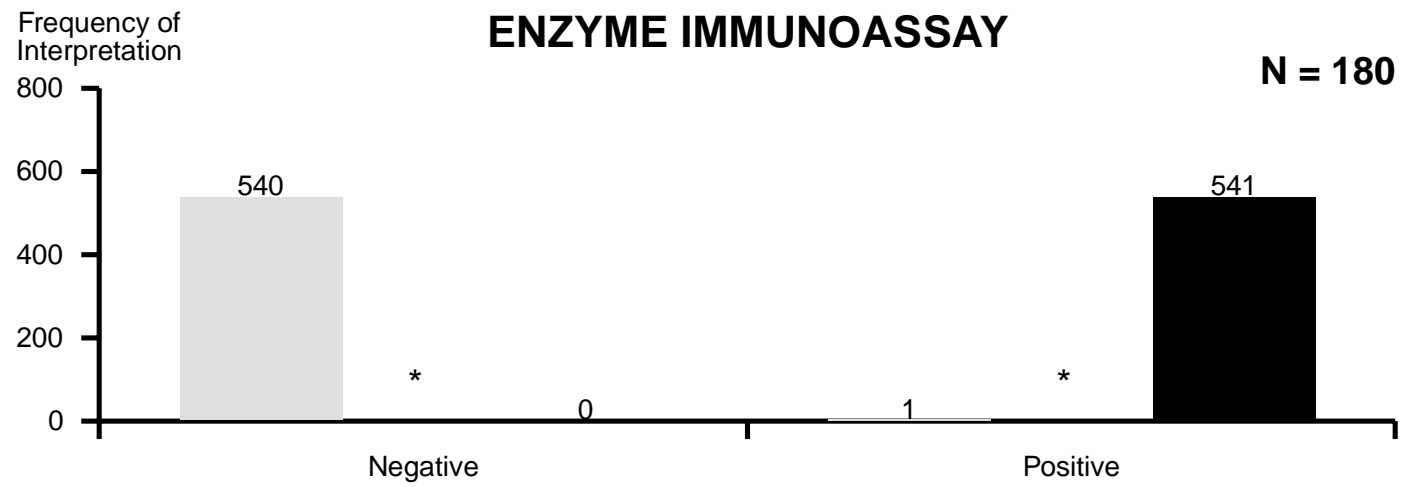
¹ Laboratory Interpretation space (to be completed by participant laboratory) provided to facilitate comparison of participant laboratory result with CDC result.

² The CDC result was obtained after composite EIA, WB, and RIPA testing, by CDC contractor, and employing the interpretation criteria of the Public Health Service Working Group.

³ Initial EIA interpretation

⁴ Final EIA interpretation

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 participant laboratories for the May 2001 shipment



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

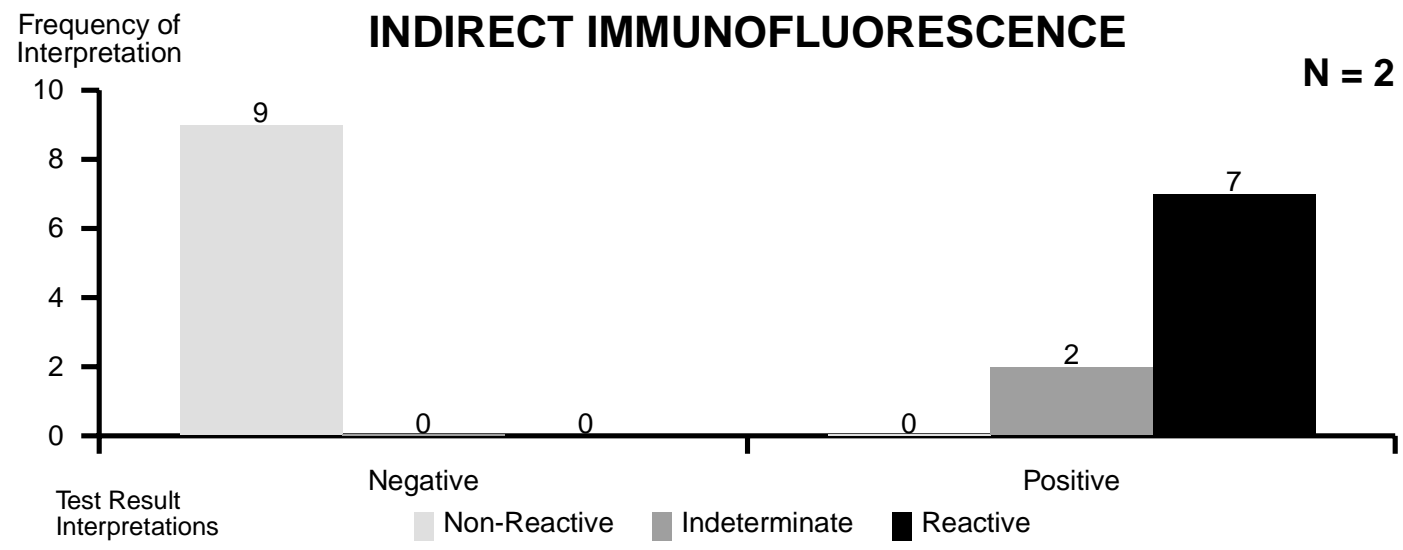
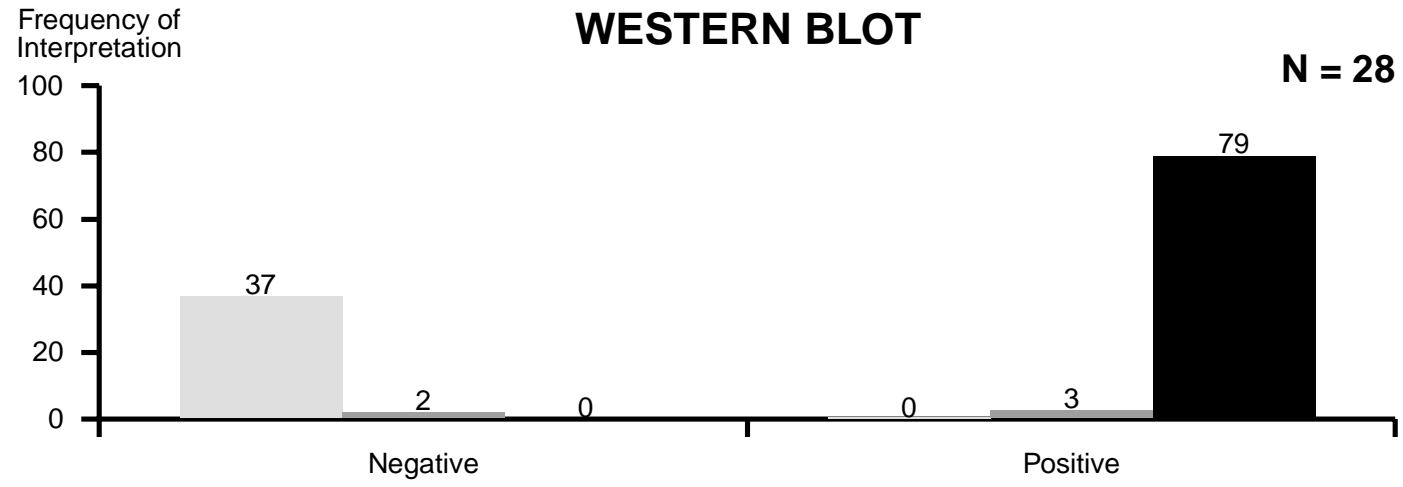


Figure 2. Percentage of HTLV-I/II participant laboratories, by laboratory type, that reported EIA, WB, and IIF results to the CDC for the May 2001 shipment

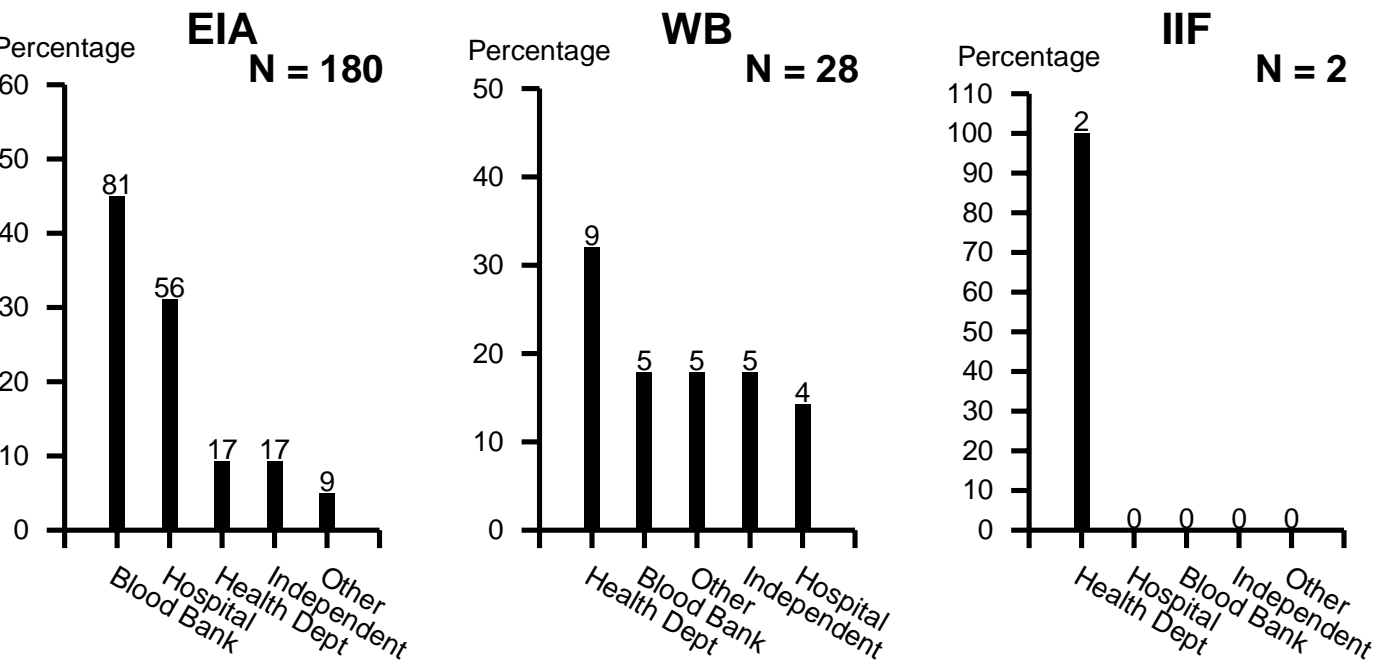


Figure 3. Combination of HTLV-I/II antibody tests reported by participant laboratories for the May 2001 shipment

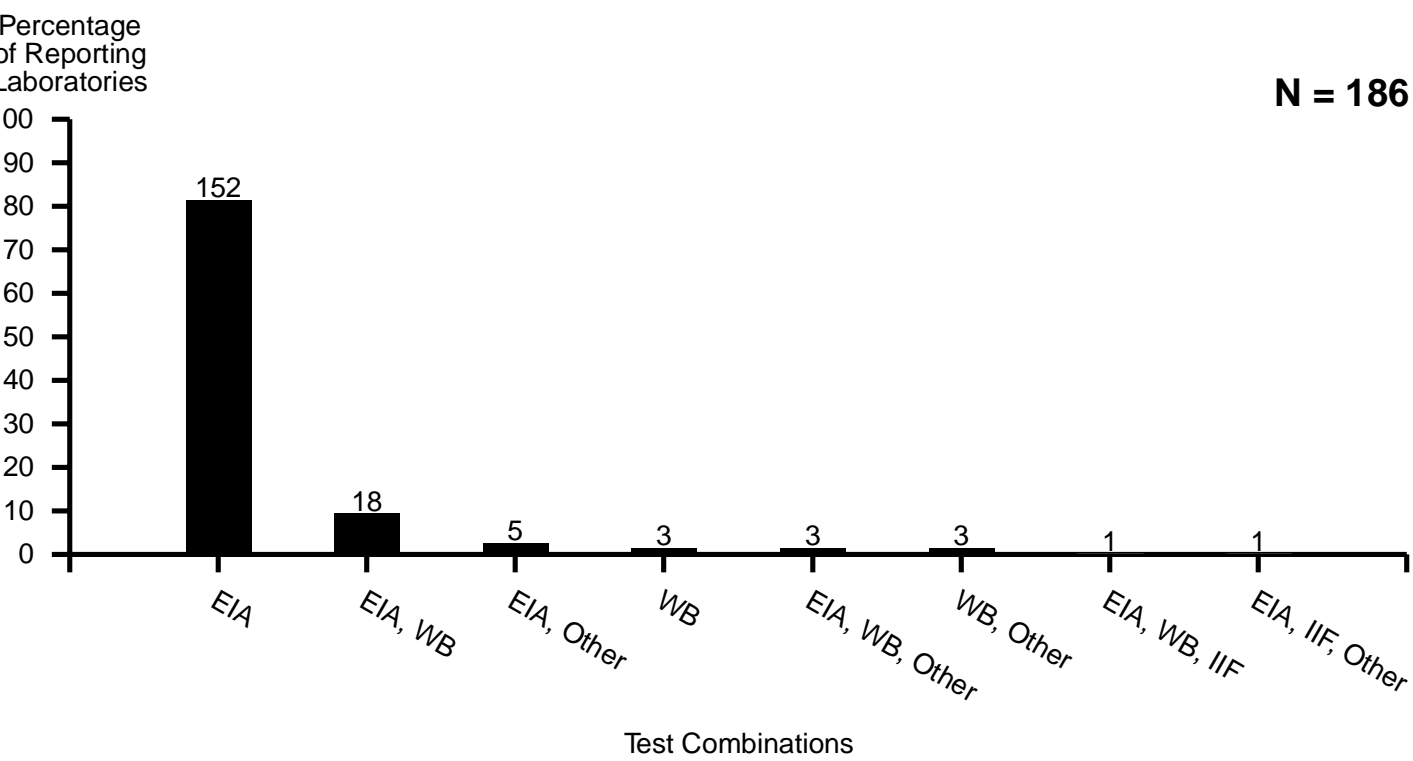


Figure 4. Types of HTLV-I/II antibody test kits used for enzyme immunoassay, Western blot, and indirect immunofluorescence, as reported by participant laboratories to the CDC for the May 2001 shipment

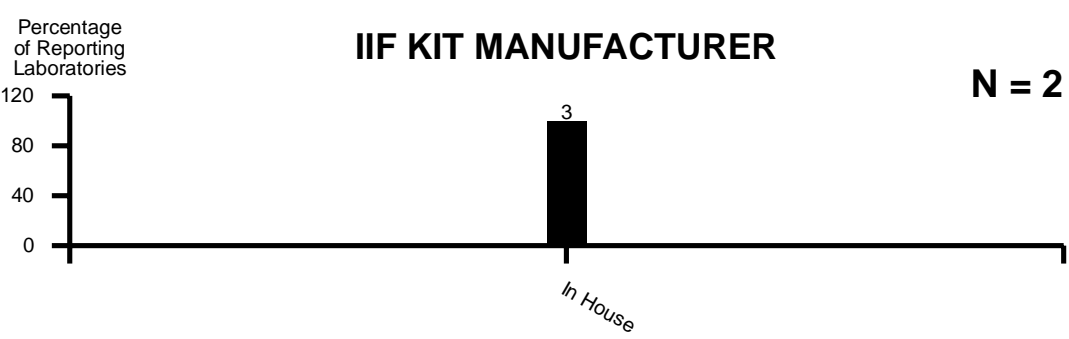
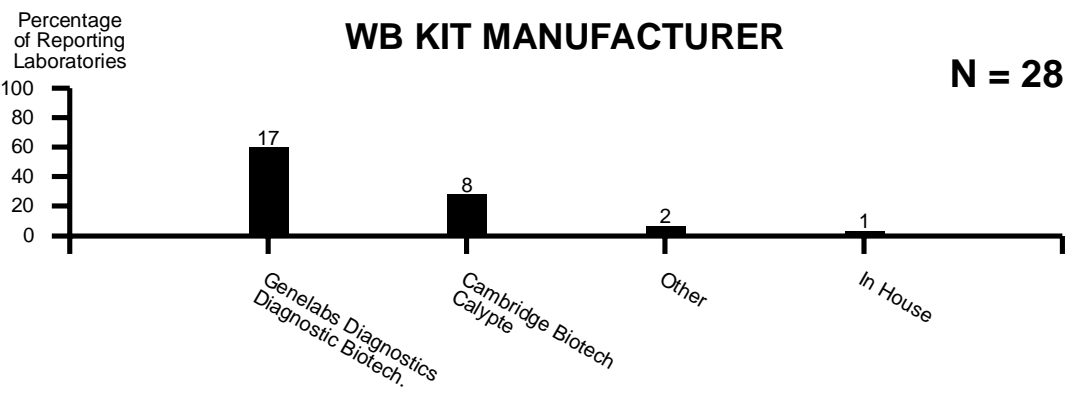
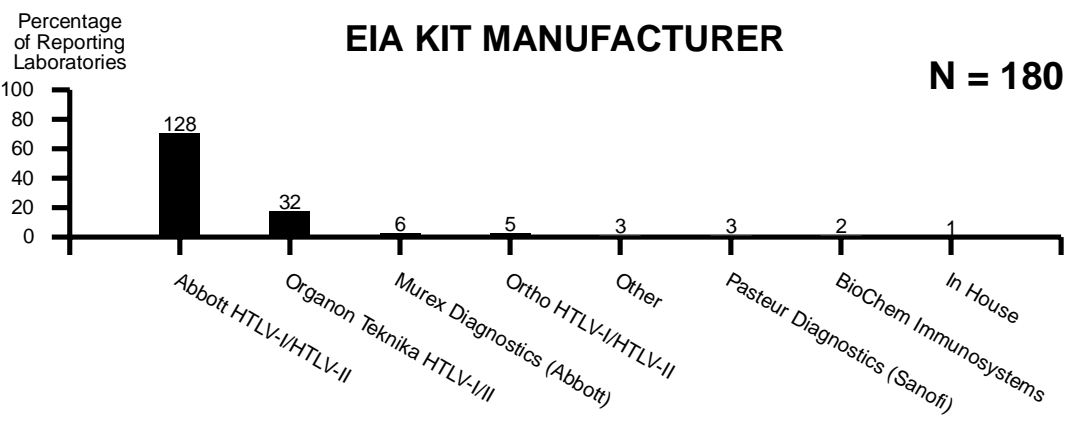
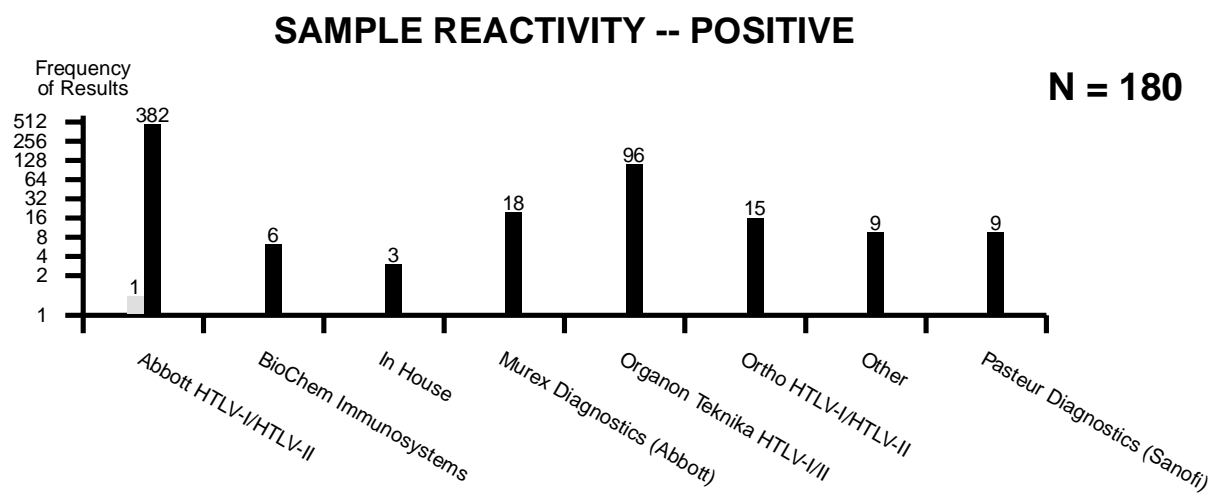
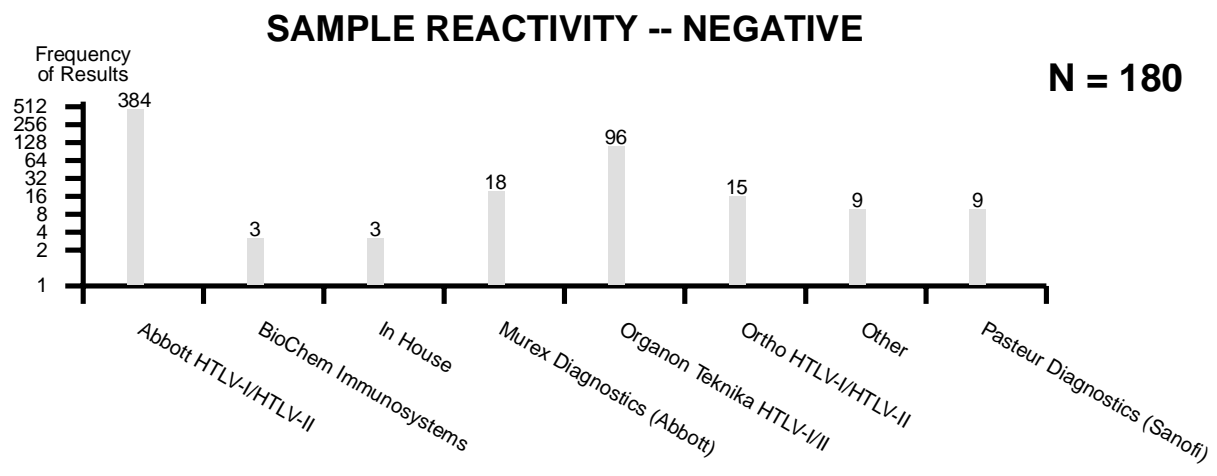


Figure 5. Enzyme immunoassay HTLV-I/II antibody test results, by kit manufacturer, reported by participant laboratories for the May 2001 shipment



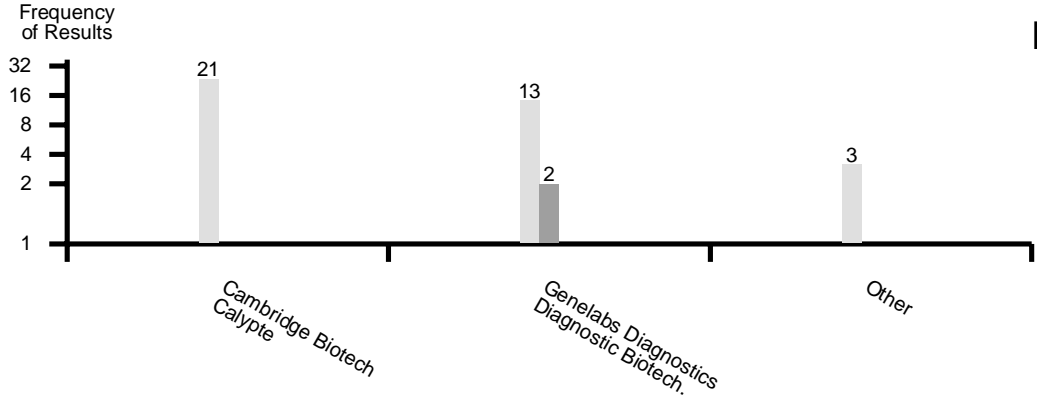
Test Result Interpretations

■ Non-Reactive ■ Reactive

Figure 6. Western blot HTLV-I/II antibody test results, by kit manufacturer, reported by participant laboratories for the May 2001 shipment

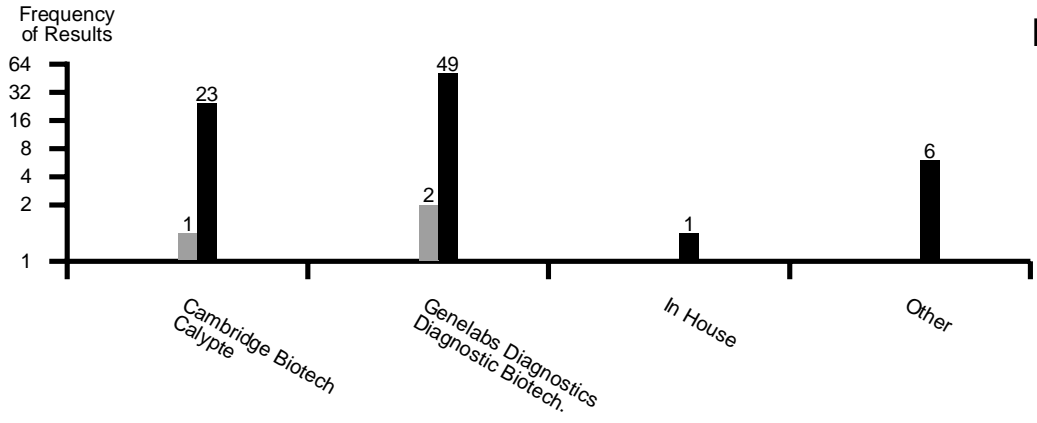
SAMPLE REACTIVITY -- NEGATIVE

N = 13



SAMPLE REACTIVITY -- POSITIVE

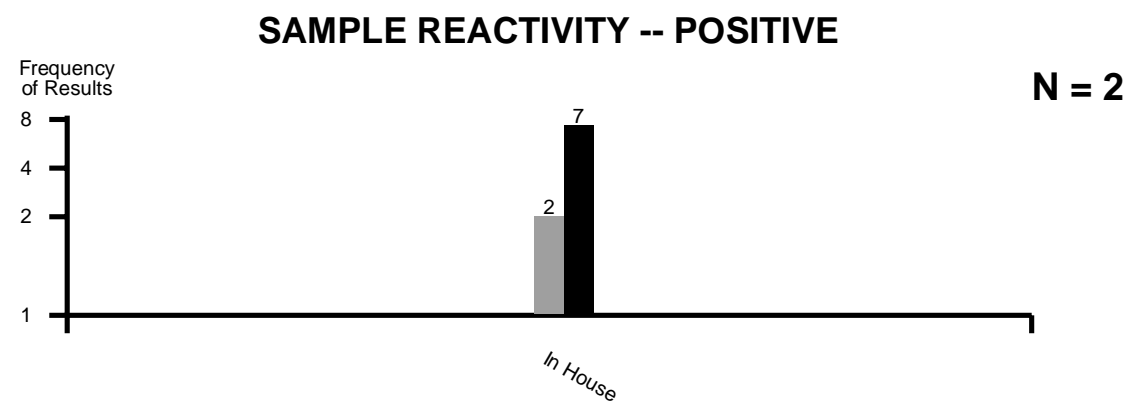
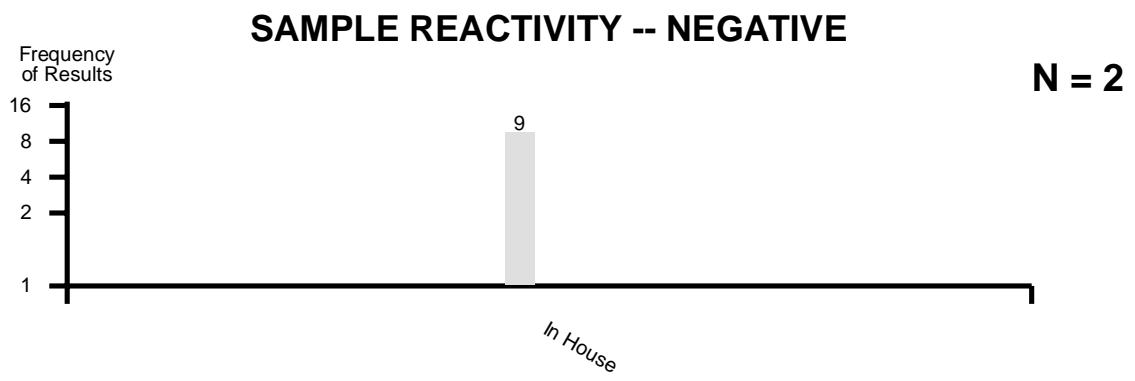
N = 28



Test Result Interpretations

- Non-Reactive
- Indeterminate
- Reactive

Figure 7. Indirect immunofluorescence HTLV-I/II antibody test results, by kit manufacturer, reported by participant laboratories for the May 2001 shipment



Test Result Interpretations

- Non-Reactive
- Indeterminate
- Reactive

Figure 8. Western blot HTLV-I/II antibody band patterns reported to CDC by participant laboratories for the May 2001 shipment

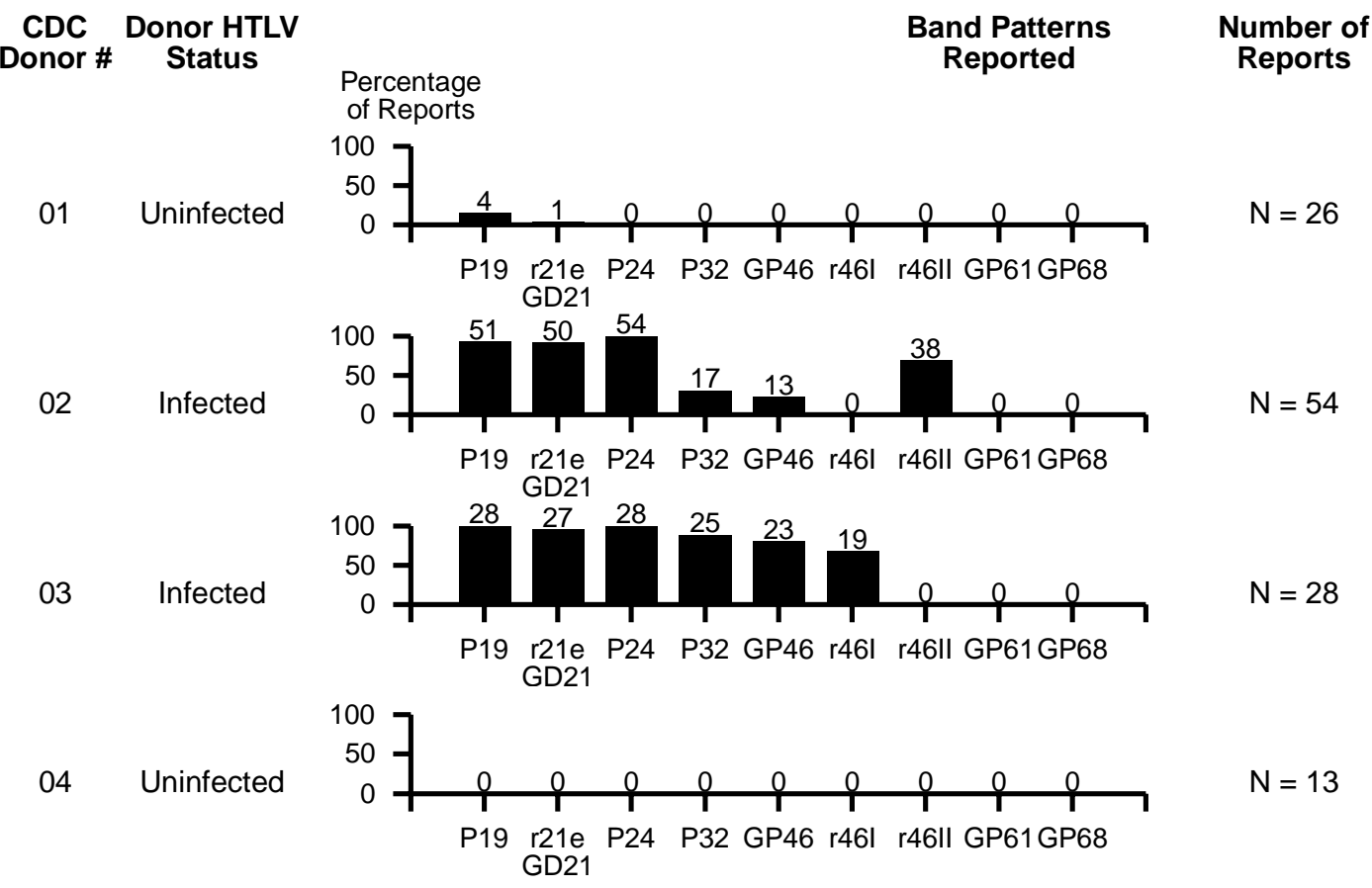


Figure 9. Fluorescence intensity patterns, of HTLV-I/II-infected cells, for IIF results reported to CDC by participant laboratories for the May 2001 shipment

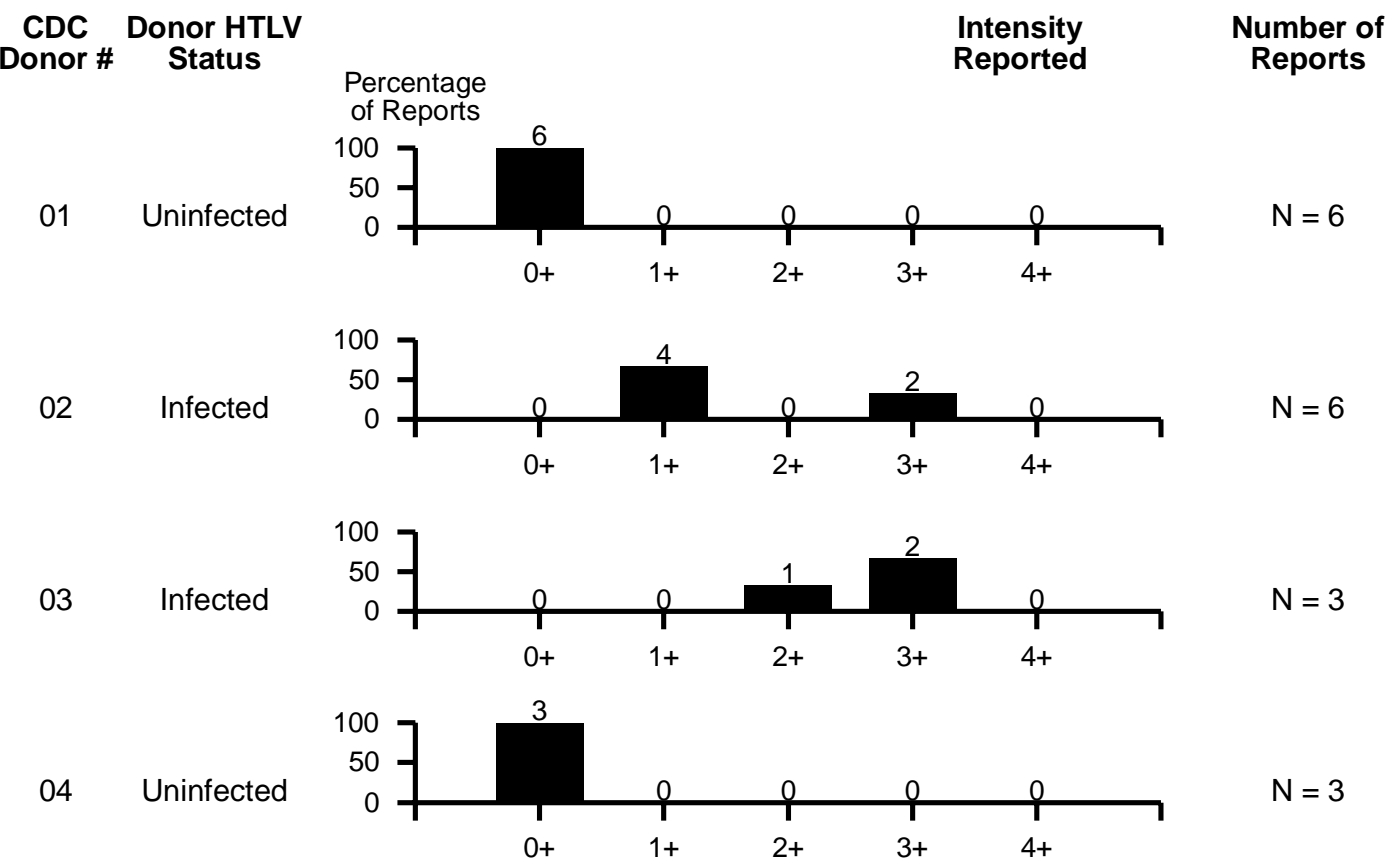
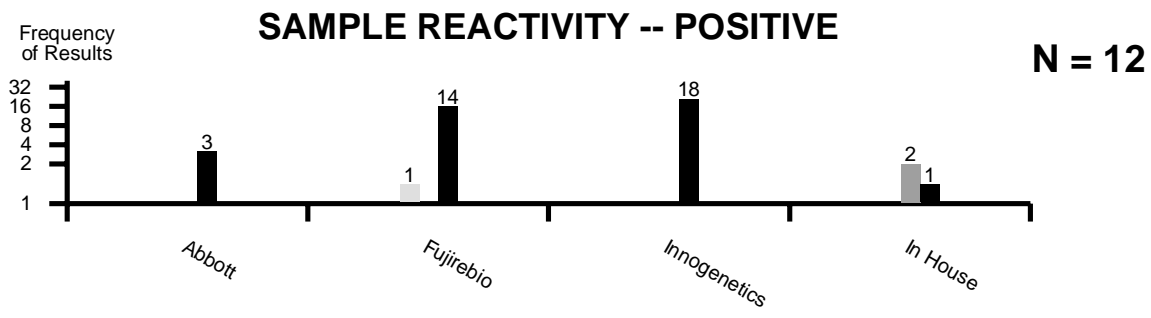
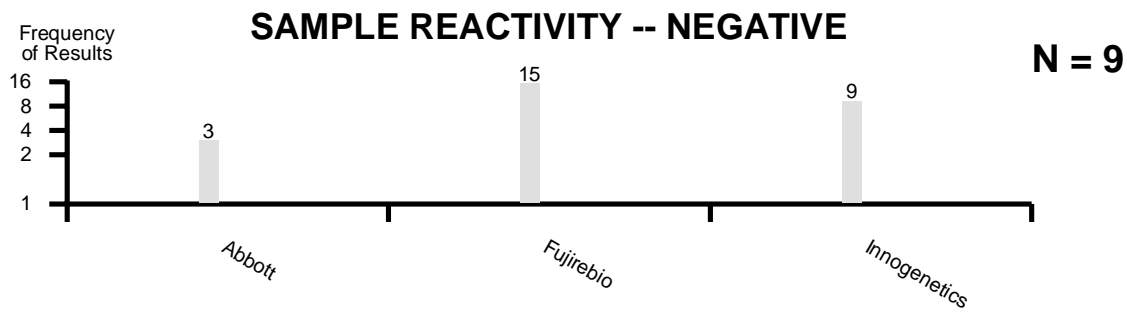
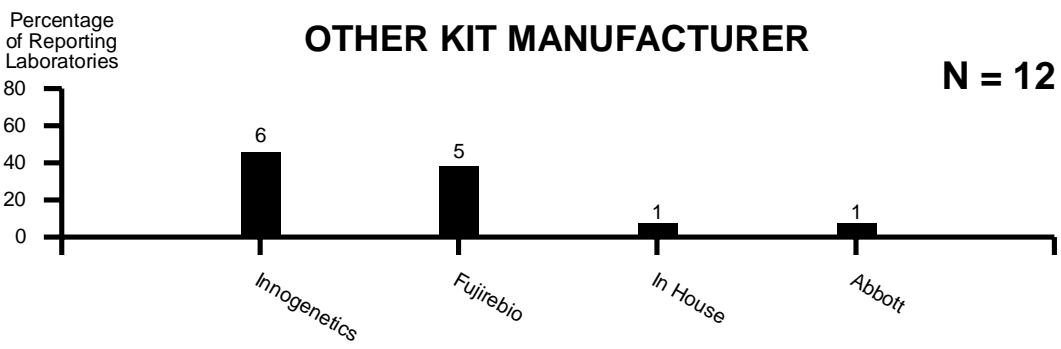


Figure 10. Types of 'Other' HTLV antibody test kits used and results reported by participant laboratories to the CDC for the May 2001 shipment



Test Result Interpretations

- Non-Reactive
- Indeterminate
- Reactive