

National Health and Nutrition Examination Survey 2005–2006



Documentation, Codebook, and Frequencies

**Laboratory Component:
Allergen Specific IgE(s) and Total
IgE in Serum**

**Survey Years:
2005 to 2006**

**SAS Export File:
AL_IGE_D.XPT**

First Published: June 2008

NHANES 2005–2006 Data Documentation

Laboratory Assessment: Allergen Specific IgE(s) and Total IgE in Serum (AL_IGE_D)

First Published: June 2008

Last Revised: N/A

Component Description	The primary purpose of the NHANES 2005-2006 Allergy Component is to study the effects of common indoor allergens on allergic sensitization in the general U.S. population. A nationally representative sample of household dust was collected to measure the amounts of common indoor allergens present which may be related to asthma and other allergic disease. A blood sample was also drawn at the NHANES examination site for IgE allergy antibody testing. The IgE studies, as a part of Allergy Component, measured both total IgE and also allergen-specific IgE responses to the same panel of allergens measured in the household dust collection. Also, IgE testing was performed for a panel of outdoor aeroallergens and for selected foods. IgE testing specific to these indoor, outdoor, and food allergens had not been previously performed in NHANES surveys.
	The overall NHANES 2005-2006 Allergy Component is designed to assess the allergen exposure, allergic sensitization, allergic symptoms and diseases, and their complex relationship in the general U.S. population. It consists of three parts: 1) collecting self-reported allergic diseases information through household interview questionnaires; 2) analyzing allergen and endotoxin from the dust extract; and 3) measuring total and allergen-specific immunoglobulin E (IgE) from a blood sample drawn at the NHANES mobile examination site).
Eligible Sample	A full sample of NHANES 2005-2006 participants' ages 1 year and older were eligible for total and allergen-specific serum IgE testing.
Description of Laboratory Methodology	Serum samples were analyzed for total and allergen-specific IgE using the Pharmacia Diagnostics ImmunoCAP 1000 System (Kalamazoo, Michigan). A detailed description of the laboratory method used can be found at NHANES 2005-2006 web page.

Total IgE Analysis Method:

Anti-IgE, covalently coupled to the ImmunoCap™ reaction vessel, reacts with the total IgE in the sample. After washing, enzyme-labeled antibodies against IgE are added to form a complex. After incubation, unbound enzyme-anti-IgE is washed away and the bound complex is then incubated with a developing agent. After stopping the reaction, the

fluorescence of the eluate is measured. The fluorescence is directly proportional with the concentration of IgE antibody in the sample. Test results are obtained by comparing the eluate fluorescence directly to the response for the calibrators.

Allergen-Specific IgE(s) Method:

The specific allergen of interest, covalently coupled to the ImmunoCap™ cellulose carrier (sponge), reacts with the allergen-specific IgE in the participant serum sample. After washing away non-specific IgE, enzyme-labeled antibodies against IgE are added to form a complex. After incubation, unbound anti-IgE is washed away and the remaining bound complex is incubated with a developing agent. After stopping the reaction, the sponge is compressed and the fluorescence of the resulting eluate is measured. The higher the response value, the more allergen-specific IgE is present in the sample. To evaluate the test results, the response for the patient samples is compared directly to the response for the calibrators.

Prior to the NHANES 2005-2006 survey, the only allergen-specific IgE serum testing was to latex antigen (NHANES III, NHANES 1999-2001). The blood sample collection for total and allergen-specific IgE for household, outdoor and food allergens was limited only to the NHANES 2005-2006 survey cycle, and did not continue in 2007.

The number and type of allergen-specific IgE tests performed varied by age. In the 2005-2006 survey, a basic subset of allergen-specific IgE antibodies were measured for all participants ages 1+ year (Group 1). Because a greater volume of blood could be drawn on older children and adults, the group of participant's ages 6+ years had an additional list of allergen-specific IgE antibodies tested (Group 2).

Group 1 Listing of Analytes (1 Year and Older)	
Variable name	Test Name
LBXIGE	Serum total IgE antibody (kU/L)
LBXID2	D. Farinae IgE antibody (kU/L)
LBXID1	D. Pteronyssinus IgE antibody (kU/L)
LBXIE1	Cat IgE antibody (kU/L)
LBXIE5	Dog IgE antibody (kU/L)
LBXII6	Cockroach IgE antibody (kU/L)
LBXIM6	Alternaria IgE antibody (kU/L)
LBXF13	Peanut IgE antibody (kU/L)
LBXIF1	Egg IgE antibody (kU/L)
LBXIF2	Milk IgE antibody (kU/L)

Group 2 Listing of Analytes (6 Years and Older)	
Variable name	Test Name
LBXIW1	Ragweed IgE antibody (kU/L)
LBXIG5	Rye grass IgE antibody (kU/L)
LBXIG2	Bermuda grass IgE antibody (kU/L)
LBXIT7	Oak IgE antibody (kU/L)
LBXIT3	Birch IgE antibody (kU/L)
LBXF24	Shellfish IgE antibody (kU/L)
LBXIM3	Aspergillus IgE antibody (kU/L)
LBXW11	Thistle IgE antibody (kU/L)
LBXE72	Mouse IgE antibody (kU/L)
LBXE74	Rat IgE antibody (kU/L)

Data Processing and Editing

Blood specimens are processed, stored and shipped to Elmhurst Memorial Hospital, Chicago, Illinois. Detailed specimen collection and processing instructions are discussed in the NHANES Laboratory/Medical Technologists Procedures Manual (LPM). Read the LABDOC file for detailed data processing and editing protocols. The analytical methods are described in the Analytic methodology section.

During the data editing process, data distributions and outlier values were examined. Since there was not sufficient information to conclude that any specific measurements were invalid, they were not excluded from the data set. For samples below the LLOD, fill values equal to the LLOD divided by the square root of 2 are used in the public release dataset. See the NHANES web page link to for more specifics on “below detectable limit fill values” for this data.

Detection Limits:

Lower Limit of Detection (LLOD):

For total serum IgE measurement, the LLOD is equal to 2.00 kU/L. The LLOD was the same for the each of the allergen-specific IgE antibody tests, and equal to 0.35 kU/L.

Upper Limit of Detection (ULOD):

For total serum IgE measurement, all specimens obtained were analyzable, and there was no ULOD reported. The ULOD was the same for the each of the allergen-specific IgE antibody tests, and equal to 1000 kU/L.

Two variables are provided for each IgE analyte (total and allergen-specific). The variable naming convention “LBD____LC” (with the underscore filled by an allergen-specific code) indicates whether the result was either measurable, below the LLOD or above the ULOD. There are three values: “0”, “1”, and “2”. A “0” value means that the result was measurable. A “1” indicates that the result was below the LLOD. A “2” indicates that the result was above the ULOD.

The other variable type, prefixed “LBX____”, provides the analytic result for that analyte.

Detailed instructions on specimen collection and processing can be found at NHANES web page.

Laboratory Quality Control and Monitoring

The NHANES quality control and quality assurance protocols (QA/QC) meet the 1988 Clinical Laboratory Improvement Act mandates. Detailed quality control and quality assurance instructions are discussed in the NHANES Laboratory/Medical Technologists Procedures Manual (LPM).

Analytic Notes

The analysis of NHANES 2005-2006 laboratory data including the AL_IGE_D data files must be conducted with the key survey design variables and weights, the basic demographic variables, and with related household, laboratory, and co-morbidity data. The NHANES 2005-2006 participant Household Interview Questionnaire Data Files contain demographic data, and health indicators such as allergy and asthma history (AGQ, RDQ, MCQ). The Family Interview data file contains data on housing characteristics and the home environment. The household dust laboratory data file contains data on the amount of specific allergen detected in the participant’s household dust sample. The phlebotomy file includes auxiliary information such as the conditions precluding venipuncture.

Analytic Note on the sum of specific IgE test values exceeding the total IgE:

For NHANES 2005-2006 IgE measurements, there were specific participants for whom the sum of their specific IgE test values exceeded their measured total IgE value. This may occur because of the cross-reactivity of specific IgE antibodies to either shared or conformationally similar epitopes of antigens for the allergens [1-4]. For example, trees, grasses, or dust mites have cross-reacting antibodies. The researcher is

cautioned in the interpretation of these cross-reacting specific IgE measurements.

References

1. Weber RW. Cross-reactivity of plant and animal allergens. *Clin Rev Allergy Immunol* 2001; 21: 153-202.
2. Aalberse RC, Akkerdaas JH, van Ree R. Cross-reactivity of IgE antibodies to allergens. *Allergy* 2001; 56: 478-490.
3. Aalberse RC. Structural biology of allergens. *J Allergy Clin Immunol* 2000; 106: 228-238.
4. Weber RW. Patterns of pollen cross-allergenicity. *J Allergy Clin Immunol* 2003; 112: 229-239.
5. Paganelli R, Ansotegui IJ, Sastre J, Lange CE, Roovers MH, de Groot H, Lindholm NB, Ewan PW. Specific IgE antibodies in the diagnosis of atopic disease. Clinical evaluation of a new in vitro test system, UniCAP, in six European allergy clinics. *Allergy*. 1998 53(8):763-8.

Locator Fields

Title: Allergen Specific IgE(s) and Total IgE in Serum

Contact Number: 1-866-441-NCHS

Years of Content: 2005–2006

First Published: June 2008

Last Revised: N/A

Access Constraints: None

Use Constraints: None

Geographic Coverage: National

Subject: Allergen Specific IgE(s) and Total IgE in Serum

Record Source: NHANES 2005–2006

Survey Methodology: NHANES 2005–2006 is a stratified multistage probability sample of the civilian non-institutionalized population of the U.S.

Medium: NHANES Web site; SAS transport files

National Health and Nutrition Examination Survey
Codebook for Data Production (2005-2006)

Allergen Specific IgE(s) and Total IgE in Serum (AL_IGE_D)

Person Level Data

June 2008



SEQN	Target
	B(1 Yrs. to 150 Yrs.)
Hard Edits	SAS Label
	Respondent sequence number
English Text: Respondent sequence number.	
English Instructions:	

LBXIGE	Target
	B(1 Yrs. to 150 Yrs.)
Hard Edits	SAS Label
	Serum total IgE antibody (kU/L)
English Text: Serum Total IGE antibody, result (kU/L)	
English Instructions:	

Code or Value	Description	Count	Cumulative	Skip to Item
1.41 to 16148	Range of Values	8336	8336	
.	Missing	1104	9440	

LBDIGELC	Target
	B(1 Yrs. to 150 Yrs.)
Hard Edits	SAS Label
	Serum total IgE antibody comment code

English Text: Serum total IgE antibody comment code

English Instructions:

Code or Value	Description	Count	Cumulative	Skip to Item
0	At or above the detection limit	8176	8176	
1	Below lower detection limit	160	8336	
2	Above upper detection limit	0	8336	
.	Missing	1104	9440	

LBXID2	Target
	B(1 Yrs. to 150 Yrs.)
Hard Edits	SAS Label
	D. Farinae IgE antibody (kU/L)

English Text: Serum IGE antibody to Dermatophagoides Farinae, result (kU/L)

English Instructions:

Code or Value	Description	Count	Cumulative	Skip to Item
0.25 to 1000	Range of Values	8258	8258	
.	Missing	1182	9440	

LBDID2LC	Target
	B(1 Yrs. to 150 Yrs.)
Hard Edits	SAS Label
	D. Farinae IgE antibody comment code

English Text: D. Farinae IgE antibody comment code

English Instructions:

Code or Value	Description	Count	Cumulative	Skip to Item
0	At or above the detection limit	1642	1642	
1	Below lower detection limit	6615	8257	
2	Above upper detection limit	1	8258	
.	Missing	1182	9440	

LBXID1	Target
	B(1 Yrs. to 150 Yrs.)
Hard Edits	SAS Label
	D. Pteronyssinus IgE antibody (kU/L)

English Text: Serum IGE antibody to Dermatophagoides Pteronyssinus, result (kU/L)

English Instructions:

Code or Value	Description	Count	Cumulative	Skip to Item
0.25 to 1000	Range of Values	8336	8336	
.	Missing	1104	9440	

LBDID1LC	Target
	B(1 Yrs. to 150 Yrs.)
Hard Edits	SAS Label
	D. Pteronyssin IgE antibody comment code

English Text: D. Pteronyssin IgE antibody comment code

English Instructions:

Code or Value	Description	Count	Cumulative	Skip to Item
0	At or above the detection limit	1673	1673	
1	Below lower detection limit	6661	8334	
2	Above upper detection limit	2	8336	
.	Missing	1104	9440	

LBXIE1	Target
	B(1 Yrs. to 150 Yrs.)
Hard Edits	SAS Label
	Cat IgE antibody (kU/L)

English Text: Serum IGE antibody to Cat Epithelium and Dander, result (kU/L)

English Instructions:

Code or Value	Description	Count	Cumulative	Skip to Item
0.25 to 476	Range of Values	8335	8335	
.	Missing	1105	9440	

LBDIE1LC	Target
	B(1 Yrs. to 150 Yrs.)
Hard Edits	SAS Label
	Cat IgE antibody comment code

English Text: Cat IgE antibody comment code

English Instructions:

Code or Value	Description	Count	Cumulative	Skip to Item
0	At or above the detection limit	931	931	
1	Below lower detection limit	7404	8335	
2	Above upper detection limit	0	8335	
.	Missing	1105	9440	

LBXIE5	Target
	B(1 Yrs. to 150 Yrs.)
Hard Edits	SAS Label
	Dog IgE antibody (kU/L)

English Text: Serum IGE antibody to Dog Dander, result (kU/L)

English Instructions:

Code or Value	Description	Count	Cumulative	Skip to Item
0.25 to 558	Range of Values	8327	8327	
.	Missing	1113	9440	

LBDIE5LC	Target
	B(1 Yrs. to 150 Yrs.)
Hard Edits	SAS Label
	Dog IgE antibody comment code

English Text: Dog IgE antibody comment code

English Instructions:

Code or Value	Description	Count	Cumulative	Skip to Item
0	At or above the detection limit	1009	1009	
1	Below lower detection limit	7318	8327	
2	Above upper detection limit	0	8327	
.	Missing	1113	9440	

LBXII6	Target
	B(1 Yrs. to 150 Yrs.)
Hard Edits	SAS Label
	Cockroach IgE antibody (kU/L)

English Text: Serum IGE antibody to German Cockroach, result (kU/L)

English Instructions:

Code or Value	Description	Count	Cumulative	Skip to Item
0.25 to 204	Range of Values	8319	8319	
.	Missing	1121	9440	

LBDII6LC	Target
	B(1 Yrs. to 150 Yrs.)
Hard Edits	SAS Label
	Cockroach IgE antibody comment code

English Text: Cockroach IgE antibody comment code

English Instructions:

Code or Value	Description	Count	Cumulative	Skip to Item
0	At or above the detection limit	1057	1057	
1	Below lower detection limit	7262	8319	
2	Above upper detection limit	0	8319	
.	Missing	1121	9440	

LBXIM6	Target
	B(1 Yrs. to 150 Yrs.)
Hard Edits	SAS Label
	Alternaria IgE antibody (kU/L)

English Text: Serum IGE antibody to Alternaria Alternata, result (kU/L)

English Instructions:

Code or Value	Description	Count	Cumulative	Skip to Item
0.25 to 179	Range of Values	8288	8288	
.	Missing	1152	9440	

LBDIM6LC	Target
	B(1 Yrs. to 150 Yrs.)
Hard Edits	SAS Label
	Alternaria IgE comment code

English Text: Alternaria IgE comment code

English Instructions:

Code or Value	Description	Count	Cumulative	Skip to Item
0	At or above the detection limit	779	779	
1	Below lower detection limit	7509	8288	
2	Above upper detection limit	0	8288	
.	Missing	1152	9440	

LBXF13	Target
	B(1 Yrs. to 150 Yrs.)
Hard Edits	SAS Label
	Peanut IgE antibody (kU/L)

English Text: Serum IGE antibody to Peanut, result (kU/L)

English Instructions:

Code or Value	Description	Count	Cumulative	Skip to Item
0.25 to 1000	Range of Values	8306	8306	
.	Missing	1134	9440	

LBDF13LC	Target
	B(1 Yrs. to 150 Yrs.)
Hard Edits	SAS Label
	Peanut IgE antibody comment code

English Text: Peanut IgE antibody comment code

English Instructions:

Code or Value	Description	Count	Cumulative	Skip to Item
0	At or above the detection limit	775	775	
1	Below lower detection limit	7530	8305	
2	Above upper detection limit	1	8306	
.	Missing	1134	9440	

LBXIF1	Target
	B(1 Yrs. to 150 Yrs.)
Hard Edits	SAS Label
	Egg IgE antibody (kU/L)

English Text: Serum IGE antibody to Egg , result (kU/L)

English Instructions:

Code or Value	Description	Count	Cumulative	Skip to Item
0.25 to 47.7	Range of Values	8295	8295	
.	Missing	1145	9440	

LBDIF1LC	Target
	B(1 Yrs. to 150 Yrs.)
Hard Edits	SAS Label
	Egg IgE antibody comment code

English Text: Egg IgE antibody comment code

English Instructions:

Code or Value	Description	Count	Cumulative	Skip to Item
0	At or above the detection limit	375	375	
1	Below lower detection limit	7920	8295	
2	Above upper detection limit	0	8295	
.	Missing	1145	9440	

LBXIF2	Target
	B(1 Yrs. to 150 Yrs.)
Hard Edits	SAS Label
	Milk IgE antibody (kU/L)

English Text: Serum IGE antibody to Milk , result (kU/L)

English Instructions:

Code or Value	Description	Count	Cumulative	Skip to Item
0.25 to 45.6	Range of Values	8207	8207	
.	Missing	1233	9440	

LBDIF2LC	Target
	B(1 Yrs. to 150 Yrs.)
Hard Edits	SAS Label
	Milk IgE antibody comment code

English Text: Milk IgE antibody comment code

English Instructions:

Code or Value	Description	Count	Cumulative	Skip to Item
0	At or above the detection limit	651	651	
1	Below lower detection limit	7556	8207	
2	Above upper detection limit	0	8207	
.	Missing	1233	9440	

LBXIW1	Target
	B(6 Yrs. to 150 Yrs.)
Hard Edits	SAS Label
	Ragweed IgE antibody (kU/L)

English Text: Serum IGE antibody to Common Ragweed, result (kU/L)

English Instructions:

Code or Value	Description	Count	Cumulative	Skip to Item
0.25 to 469	Range of Values	7386	7386	
.	Missing	2054	9440	

LBDIW1LC	Target
	B(6 Yrs. to 150 Yrs.)
Hard Edits	SAS Label
	Ragweed IgE antibody comment code

English Text: Ragweed IgE antibody comment code

English Instructions:

Code or Value	Description	Count	Cumulative	Skip to Item
0	At or above the detection limit	1281	1281	
1	Below lower detection limit	6105	7386	
2	Above upper detection limit	0	7386	
.	Missing	2054	9440	

LBXIG5	Target
	B(6 Yrs. to 150 Yrs.)
Hard Edits	SAS Label
	Rye grass IgE antibody (kU/L)

English Text: Serum IGE antibody to Rye Grass, result (kU/L)

English Instructions:

Code or Value	Description	Count	Cumulative	Skip to Item
0.25 to 1000	Range of Values	7384	7384	
.	Missing	2056	9440	

LBDIG5LC	Target
	B(6 Yrs. to 150 Yrs.)
Hard Edits	SAS Label
	Rye grass IgE antibody comment code

English Text: Rye grass IgE antibody comment code

English Instructions:

Code or Value	Description	Count	Cumulative	Skip to Item
0	At or above the detection limit	1678	1678	
1	Below lower detection limit	5705	7383	
2	Above upper detection limit	1	7384	
.	Missing	2056	9440	

LBXIG2	Target
	B(6 Yrs. to 150 Yrs.)
Hard Edits	SAS Label
	Bermuda grass IgE antibody (kU/L)

English Text: Serum IGE antibody to Bermuda Grass, result (kU/L)

English Instructions:

Code or Value	Description	Count	Cumulative	Skip to Item
0.25 to 1000	Range of Values	7384	7384	
.	Missing	2056	9440	

LBDIG2LC	Target
	B(6 Yrs. to 150 Yrs.)
Hard Edits	SAS Label
	Bermuda grass IgE antibody comment code

English Text: Bermuda grass IgE antibody comment code

English Instructions:

Code or Value	Description	Count	Cumulative	Skip to Item
0	At or above the detection limit	1304	1304	
1	Below lower detection limit	6079	7383	
2	Above upper detection limit	1	7384	
.	Missing	2056	9440	

LBXIT7	Target
	B(6 Yrs. to 150 Yrs.)
Hard Edits	SAS Label
	Oak IgE antibody (kU/L)

English Text: Serum IGE antibody to White Oak, result (kU/L)

English Instructions:

Code or Value	Description	Count	Cumulative	Skip to Item
0.25 to 445	Range of Values	7382	7382	
.	Missing	2058	9440	

LBDIT7LC	Target
	B(6 Yrs. to 150 Yrs.)
Hard Edits	SAS Label
	Oak IgE antibody comment code

English Text: Oak IgE antibody comment code

English Instructions:

Code or Value	Description	Count	Cumulative	Skip to Item
0	At or above the detection limit	969	969	
1	Below lower detection limit	6413	7382	
2	Above upper detection limit	0	7382	
.	Missing	2058	9440	

LBXIT3	Target
	B(6 Yrs. to 150 Yrs.)
Hard Edits	SAS Label
	Birch IgE antibody (kU/L)

English Text: Serum IGE antibody to Birch Tree, result (kU/L)

English Instructions:

Code or Value	Description	Count	Cumulative	Skip to Item
0.25 to 879	Range of Values	7381	7381	
.	Missing	2059	9440	

LBDIT3LC	Target
	B(6 Yrs. to 150 Yrs.)
Hard Edits	SAS Label
	Birch IgE antibody comment code

English Text: Birch IgE antibody comment code

English Instructions:

Code or Value	Description	Count	Cumulative	Skip to Item
0	At or above the detection limit	812	812	
1	Below lower detection limit	6569	7381	
2	Above upper detection limit	0	7381	
.	Missing	2059	9440	

LBXF24	Target
	B(6 Yrs. to 150 Yrs.)
Hard Edits	SAS Label
	Shellfish IgE antibody (kU/L)

English Text: Serum IGE antibody to Shellfish & Shrimp, result (kU/L)

English Instructions:

Code or Value	Description	Count	Cumulative	Skip to Item
0.25 to 322	Range of Values	7377	7377	
.	Missing	2063	9440	

LBDF24LC	Target
	B(6 Yrs. to 150 Yrs.)
Hard Edits	SAS Label
	Shellfish IgE antibody comment code

English Text: Shellfish IgE antibody comment code

English Instructions:

Code or Value	Description	Count	Cumulative	Skip to Item
0	At or above the detection limit	577	577	
1	Below lower detection limit	6800	7377	
2	Above upper detection limit	0	7377	
.	Missing	2063	9440	

LBXIM3	Target
	B(6 Yrs. to 150 Yrs.)
Hard Edits	SAS Label
	Aspergillus IgE antibody (kU/L)

English Text: Serum IGE antibody to Aspergillus Fumigatus, result (kU/L)

English Instructions:

Code or Value	Description	Count	Cumulative	Skip to Item
0.25 to 62.3	Range of Values	7376	7376	
.	Missing	2064	9440	

LBDIM3LC	Target
	B(6 Yrs. to 150 Yrs.)
Hard Edits	SAS Label
	Aspergillus IgE comment code

English Text: Aspergillus IgE comment code

English Instructions:

Code or Value	Description	Count	Cumulative	Skip to Item
0	At or above the detection limit	634	634	
1	Below lower detection limit	6742	7376	
2	Above upper detection limit	0	7376	
.	Missing	2064	9440	

LBXW11	Target
	B(6 Yrs. to 150 Yrs.)
Hard Edits	SAS Label
	Thistle IgE antibody (kU/L)

English Text: Serum IGE antibody to Russian Thistle, result (kU/L)

English Instructions:

Code or Value	Description	Count	Cumulative	Skip to Item
0.25 to 275	Range of Values	7370	7370	
.	Missing	2070	9440	

LBDW11LC	Target
	B(6 Yrs. to 150 Yrs.)
Hard Edits	SAS Label
	Thistle IgE antibody comment code

English Text: Thistle IgE antibody comment code

English Instructions:

Code or Value	Description	Count	Cumulative	Skip to Item
0	At or above the detection limit	964	964	
1	Below lower detection limit	6406	7370	
2	Above upper detection limit	0	7370	
.	Missing	2070	9440	

LBXE72	Target
	B(6 Yrs. to 150 Yrs.)
Hard Edits	SAS Label
	Mouse IgE antibody (kU/L)

English Text: Serum IGE antibody to mouse urine proteins, result (kU/L)

English Instructions:

Code or Value	Description	Count	Cumulative	Skip to Item
0.25 to 196	Range of Values	7356	7356	
.	Missing	2084	9440	

LBDE72LC	Target
	B(6 Yrs. to 150 Yrs.)
Hard Edits	SAS Label
	Mouse IgE comment code

English Text: Mouse IgE comment code

English Instructions:

Code or Value	Description	Count	Cumulative	Skip to Item
0	At or above the detection limit	119	119	
1	Below lower detection limit	7237	7356	
2	Above upper detection limit	0	7356	
.	Missing	2084	9440	

LBXE74	Target
	B(6 Yrs. to 150 Yrs.)
Hard Edits	SAS Label
	Rat IgE antibody (kU/L)

English Text: Serum IGE antibody to rat urine proteins, result (kU/L)

English Instructions:

Code or Value	Description	Count	Cumulative	Skip to Item
0.25 to 73.6	Range of Values	7333	7333	
.	Missing	2107	9440	

LBDE74LC	Target
	B(6 Yrs. to 150 Yrs.)
Hard Edits	SAS Label
	Rat IgE antibody comment code

English Text: Rat IgE antibody comment code

English Instructions:

Code or Value	Description	Count	Cumulative	Skip to Item
0	At or above the detection limit	110	110	
1	Below lower detection limit	7223	7333	
2	Above upper detection limit	0	7333	
.	Missing	2107	9440	