MASTERFILE FORMLENGTH RECORD LAYOUT

FORM SH012
Result of Analysis of Blood Sample by Central Laboratory

Item Number	Variable Name	Field Number	Cols.	Field Length	Units or Value Labels	Remarks or Further Information
	Form Number	001	30-32	3		This is form number 012.
	Version Number	002	33	1		Only 1 version, with version number = 1.
	Clinic Number - Treatment Clinic	003	22-23	2	1=Einstein Coll. of Med. New York 2=Emory Univ. Atlanta 3=Kaiser Found, Portland 4=Miami Heart Institute 5=Northwestern Univ., Chicago 6=Pacific Med. Center, San Francisco 7=Rutgers Med. School 8=Univ. of Alabama at Birmingham 9=Univ. of California at Davis 10=Univ. of Hawaii 11=Univ. of Kentucky 12=Univ. of Maryland 13=Univ. of Minnesota 14=Univ. of Pittsburgh 15=Univ. of Tennessee 16=Washington Univ., St. Louis 17=Yale University	Data from Clinic Number 12 is not to be used for analysis.

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FORM SH012
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Item Number	Variable Name	Field Number	Cols.	Field Length	Units or Value Labels	Remarks or Further Information
	Participant Identification Number	004	24-27	4		Range 1 - 9999.
	Clinic Number at Randomization	005	28-29	2	Same value labels as Field 2, Clinic Number for Treatment	
	Acrostic	006	41-46	6		Alpha data. This field is created from first 3 letters of last name, followed by the first 2 letters of first name, followed by middle initial, if any.
	Date Blood Sample Drawn	007	34-39	6	Year-Month-Day	
	Sequence Number of Visit	008	47-48	2		
	Clinic Account Number	009	49-53	5		Assigned by Metpath. Each separate clinic for a given center has its own account number.
	Blood Sample Specimen Number	010	54-59	6		Can contain alpha characters, this number is assigned by Metpath.

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Item Number	Variable Name	Field Number	Cols.	Field Length	Units or Value Labels	Remarks or Further Information
	Date Specimen Received at Lab for Analysis	011	60-65	6	Month-Day-Year	
	Date Specimen Processed by Lab	012	66-71	6	Month-Day-Year	
	Chemistry Screen Panel Done?	013	72	1	1=Yes, 2=No	
	Quality of Chemistry Panel Tests	014	73-75	3	Blank=Good quality	Alpha message code. This message applies to entire specimen. See note A at end for list of valid codes.
CHEMISTRY PANEL TESTS:						
	Alkaline Phosphatase Test Result	015	76-81	6	Units = I.U./L	Valid range: 10 - 1000. Metpath test code: 176, re-test code: 200. Implied decimal point, i.e., XXXX.XX in this field.
	Range Flag for Alkaline Phosphatase Test Result	016	82	1	+=Normal, *=Abnormal, $=Out-of-range, Blank=No flag	Alpha data.
	Message Code for Alkaline Phosphatase Test Result	017	83-85	3	Blank=No message	Alpha data. See Note A at end for list of valid codes.

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Item Number	Variable Name	Field Number	Cols.	Field Length	Units or Value Labels	Remarks or Further Information
	BUN Test Result	018	86-91	6	Units = mg/dL	Valid range: 0 - 9999.99. Metpath test code: 163, re-test code: 008. Implied decimal point, i.e., XXXX.XX in this field.
	Range Flag for BUN Test Result	019	92	1	+=Normal, *=Abnormal, $=Out-of-range, Blank=No flag	Alpha data.
	Message Code for BUN Test Result	020	93-95	3	Blank=No message	Alpha data. See Note A at end for list of valid codes.
	Calcium Test Result	021	96-101	6	Units = mg/dL	Valid range: 2 - 20. Metpath test code: 161, re-test code: 005. Implied decimal point, i.e., XXXX.XX in this field.
	Range Flag for Calcium Test Result	022	102	1	+=Normal, *=Abnormal, $=Out-of-range, Blank=No flag	Alpha data.
	Message Code for Calcium Test Result	023	103-105	3	Blank=No message	Alpha data. See Note A at end for list of valid codes.
	Creatinine Test Result	024	106-111	6	Units = mg/dL	Valid range: 0.1 - 40. Metpath test code: 164, re-test code: 009. Implied decimal point, i.e.,

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Item Number	Variable Name	Field Number	Cols.	Field Length	Units or Value Labels	Remarks or Further Information
		024				XXXX.XX in this field.
	Range Flag for Creatinine Test Result	025	112	1	+=Normal, *=Abnormal, $=Out-of-range, Blank=No flag	Alpha data.
	Message Code for Creatinine Test Result	026	113-115	3	Blank=No message	Alpha data. See Note A at end for list of valid codes.
	G-Glutamyl Trans-peptide Test Result	027	116-121	6	Units = Units/L	Valid range: 0 - 9999.99. Metpath test code: 185, re-test code: 270. Implied decimal point, i.e., XXXX.XX in this field.
	Range Flag for G-Glutamyl Trans-peptide Test Result	028	122	1	+=Normal, *=Abnormal, $=Out-of-range, Blank=No flag	Alpha data.
	Message Code for G-Glutamyl Trans-peptide Test Result	029	123-125	3	Blank=No message	Alpha data. See Note A at end for list of valid codes.
	Glucose Test Result	030	126-131	6	Units = mg/dL	Valid range: 10 - 2000. Metpath test code: 167, re-test code: 007. Implied decimal point, i.e., XXXX.XX in this field.

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Item Number	Variable Name	Field Number	Cols.	Field Length	Units or Value Labels	Remarks or Further Information
	Range Flag for Glucose Test Result	031	132	1	+=Normal, *=Abnormal, $=Out-of-range, Blank=No flag	Alpha data.
	Message Code for Glucose Test Result	032	133-135	3	Blank=No message	Alpha data. See Note A at end for list of valid codes.
	Potassium Test Result	033	136-141	6	Units = mmol/L	Valid range: 0.5 - 20. Metpath test code: 183, re-test code: 002. Implied decimal point, i.e., XXXX.XX in this field.
	Range Flag for Potassium Test Result	034	142	1	+=Normal, *=Abnormal, $=Out-of-range, Blank=No flag	Alpha data.
	Message Code for Potassium Test Result	035	143-145	3	Blank=No message	Alpha data. See Note A at end for list of valid codes.
	SGOT Test Result	036	146-151	6	Units = I.U./L	Valid range: 0 - 9999.99. Metpath test code: 174, re-test code: 012. Implied decimal point, i.e., XXXX.XX in this field.
	Range Flag for SGOT Test Result	037	152	1	+=Normal, *=Abnormal, $=Out-of-range, Blank=No flag	Alpha data.

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Item Number	Variable Name	Field Number	Cols.	Field Length	Units or Value Labels	Remarks or Further Information
	Message Code for SGOT Test Result	038	153-155	3	Blank=No message	Alpha data. See Note A at end for list of valid codes.
	Sodium Test Result	039	156-161	6	Units = mmol/L	Valid range: 50 - 200. Metpath test code: 182, re-test code: 001. Implied decimal point, i.e., XXXX.XX in this field.
	Range Flag for Sodium Test Result	040	162	1	+=Normal, *=Abnormal, $=Out-of-range, Blank=No flag	Alpha data.
	Message Code for Sodium Test Result	041	163-165	3	Blank=No message	Alpha data. See Note A at end for list of valid codes.
	Uric Acid Test Result	042	166-171	6	Units = mg/dL	Valid range: 0.1 - 50. Metpath test code: 166, re-test code: 028. Implied decimal point, i.e., XXXX.XX in this field.
	Range Flag for Uric Acid Test Result	043	172	1	+=Normal, *=Abnormal, $=Out-of-range, Blank=No flag	Alpha data.
	Message Code for Uric Acid Test Result	044	173-175	3	Blank=No message	Alpha data. See Note A at end for list of valid codes.

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FORM SH012
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Item Number	Variable Name	Field Number	Cols.	Field Length	Units or Value Labels	Remarks or Further Information
LIPIDS						
	Cholesterol Test Result	045	176-181	6	Units = mg/dL	Valid range: 25 - 1000. Metpath test code: 248, re-test code: 025. Implied decimal point, i.e., XXXX.XX in this field.
	Range Flag for Cholesterol Test Result	046	182	1	+=Normal, *=Abnormal, $=Out-of-range, Blank=No flag	Alpha data.
	Message Code for Cholesterol Test Result	047	183-185	3	Blank=No message	Alpha data. See Note A at end for list of valid codes.
	HDL Cholesterol Test Result	048	186-191	6	Units = mg/dL	Valid range: 1 - 150. Metpath test code: 204, re-test code: none. Implied decimal point, i.e., XXXX.XX in this field.
	Range Flag for HDL Cholesterol Test Result	049	192	1	+=Normal, *=Abnormal, $=Out-of-range, Blank=No flag	Alpha data.
	Message Code for HDL Cholesterol Test Result	050	193-195	3	Blank=No message	Alpha data. See Note A at end for list of valid codes.

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FORM SH012
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Item Number	Variable Name	Field Number	Cols.	Field Length	Units or Value Labels	Remarks or Further Information
	Triglyceride Test Result	051	196-201	6	Units = mg/dL	Valid range: 0 - 9999.99. Metpath test code: 249, re-test code: 210. Implied decimal point, i.e., XXXX.XX in this field.
	Range Flag for Triglyceride Test Result	052	202	1	+=Normal, *=Abnormal, $=Out-of-range, Blank=No flag	Alpha data.
	Message Code for Triglyceride Test Result	053	203-205	3	Blank=No message	Alpha data. See Note A at end for list of valid codes.
	Message Code for Lipid Pattern	054	206-208	3	Blank=No message	Alpha data. See Note A at end for list of valid codes.
	Range Flag for Lipid Pattern Test Code Above	055	209	1	+=Normal, *=Abnormal, $=Out-of-range, Blank=No flag	Alpha data.
	Record Type	056	210	1	N=New form, R=Replacement	Field used by Coordinating Center only. Alpha data.
	Date Tape Received from Metpath Lab	057	211-216	6	Month-Day-Year	Field used by Coordinating Center only.
	Update Number When Record Added to SHEP Masterfile	058	217-219	3		Field used by Coordinating Center only.
	Date Record Last Changed Under Old Update System	059	220-225	6	Month-Day-Year	Field used by Coordinating Center only. Now obsolete.

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Item Number	Variable Name	Field Number	Cols.	Field Length	Units or Value Labels	Remarks or Further Information
	Edit Status Code	060	226	1	Blank=Never edited, 0=Edited, but no errors found, Any other digit=Edited, some error(s) found	Field used by Coordinating Center only.

NOTE A
FOR MASTERFILE FORMLENGTH RECORD LAYOUT

FORM SH012
Result of Analysis of Blood Sample by Central Laboratory

VALID MESSAGE CODES

As of March 9, 1989, the following message codes indicate a good lab value, as long as the value itself is in the valid range specified:

Blank
B25
105
N10
185
525
618
546
108
095
C51
M96
C50
B27
386

For any analyte in the Chemistry Panel Tests (all except cholesterol, HDL and triglycerides), Field 12013 should also be Yes (=1) for values to be used in analysis.

105 = Serum diluted 1 to 2

546 = QNS for repeat testing

QNS = Quantity Not Sufficient