[Study Name/ID pre-filled]

Site Name: Subject ID:

Indicate the appropriate result for each test

Table 1 Blood Laboratory Tests

	Result	Units for test result	Proposed test result reference range	Abnormal Result?
NK Cell Activity**		TBD	TBD	☐ Normal ☐ Abnormal ☐ Unknown
Erythrocyte sedimentation rate (ESR)		mm/hr	0-15	☐ Normal ☐ Abnormal ☐ Unknown
High sensitivity C-reactive protein (hsCRP)		mg/L	0-10	☐ Normal ☐ Abnormal ☐ Unknown
Complete blood count (CBC) with Differential: White Blood Cell (WBC) Count		cells/μL	Adults: 3.8 – 11.0 x 10^3 Age 6- 12 yr: 4.5 – 14.0 x10^3	☐ Normal ☐ Abnormal ☐ Unknown
CBC with Differential: Lymphocyte Count		cells/μL	1.00 – 4.8 x 10^3	☐ Normal ☐ Abnormal ☐ Unknown
CBC with Differential: Neutrophil Count		cells/μL	1.80 – 7.00 x 10^3	☐ Normal ☐ Abnormal ☐ Unknown
CBC with Differential: Monocyte Count		cells/μL	0.00 – 0.80 x 10^3	☐ Normal ☐ Abnormal ☐ Unknown
CBC with Differential: Eosinophil Count		cells/μL	0.00 – 0.50 x 10^3	☐ Normal ☐ Abnormal ☐ Unknown

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Site Name: Subject ID:

	Result	Units for test result	Proposed test result reference range	Abnormal Result?
CBC with Differential: Basophil Count		cells/μL	Adults: 0.00 0.30 X 10^3 Up to age 15 yr: 0.00 0.20 X 10^3	☐ Normal ☐ Abnormal ☐ Unknown
CBC with Differential: Red Blood Cell (RBC) Count		cells/μL	Male adults: 4.32 – 5.72 x 10^6 Female adults: 3.90-5.03 x 10^6	☐ Normal ☐ Abnormal ☐ Unknown
CBC with Differential: Hemoglobin (Hgb)		g/dL	Male adults: 13.2 – 17.5 Female adults: 12.0 – 16	☐ Normal ☐ Abnormal ☐ Unknown
CBC with Differential: Hematocrit (HCT)		% RBC/unit volume of blood	Male adults: 40 – 52% Female adults: 37 – 46%	☐ Normal ☐ Abnormal ☐ Unknown
CBC with Differential: Mean Corpuscular Volume (MCV)		femtoliters (fl)/cell	Male adults: 81.2 – 95.1 Female adults: 81.6 – 98.3	☐ Normal ☐ Abnormal ☐ Unknown
CBC with Differential: Red Cell Distribution Width (RDW)		% (reflects deviation of width of RBC in a blood	Male adults: 11.8 – 15.6 Female adults: 11.9 – 15.5	☐ Normal ☐ Abnormal ☐ Unknown
CBC with Differential: Platelet Count		cells/μL	Male adults: 160 – 450 x10^3 Female adults: 160 – 450 x10^3	☐ Normal ☐ Abnormal ☐ Unknown
Lymphocyte Subset Panel: T cells (CD3+, CD4+, CD5+, CD7+, CD8+), B cells (CD10+, CD19+, CD20+), NK cells (CD16+, CD56+, [CD3-/(CD16+/CD56+)]		% of cell type/unit volume of blood	TBD	☐ Normal ☐ Abnormal ☐ Unknown

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[Study Name/ID pre-filled]

Site Name: Subject ID:

	Result	Units for test result		d test result nce range	Abnormal Result?
Immunoglobulin isotypes		TBD	lgE lgG		☐ Normal ☐ Abnormal ☐ Unknown
Other, specify:					☐ Normal ☐ Abnormal ☐ Unknown
Table 2A Infectious Disease Labor	ratory Tests – Se				
Test		Te	st date		Positive Result?
Epstein-Barr virus (EBV): anti VCA IgM				☐ Yes ☐ No ☐ Unknown	
Epstein-Barr virus (EBV): anti-VCA IgG				Yes No Unknown	
Epstein-Barr virus (EBV): anti-EA-D IgG				☐ Yes ☐ No ☐ Unknown	
Epstein-Barr virus (EBV): anti-EBNA IgG				☐ Yes ☐ No ☐ Unknown	
Cytomegalovirus (CMV): IgM				☐ Yes ☐ No ☐ Unknown	
Cytomegalovirus (CMV): IgG				☐ Yes ☐ No ☐ Unknown	

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[Study Name/ID pre-filled]

Site Name: Subject ID:

Test	Test date	Positive Result?
Human herpes virus 6 (HHV6): IgM		☐ Yes ☐ No ☐ Unknown
Human herpes virus 6 (HHV6): IgG		☐ Yes ☐ No ☐ Unknown
Coxsackie B virus (CBV): IgM		☐ Yes ☐ No ☐ Unknown
Coxsackie B virus (CBV): IgG		☐ Yes ☐ No ☐ Unknown
Echovirus: IgM		☐ Yes ☐ No ☐ Unknown
Echovirus: IgG		☐ Yes ☐ No ☐ Unknown
Chlamydia pneumoniae: IgM		☐ Yes ☐ No ☐ Unknown
Chlamydia pneumoniae: IgG		☐ Yes ☐ No ☐ Unknown
Mycoplasma pneumoniae: IgM		☐ Yes ☐ No ☐ Unknown
Mycoplasma pneumoniae: IgG		☐ Yes ☐ No ☐ Unknown

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[Study Name/ID pre-filled]

Site Name: Subject ID:

Test	Test date	Positive Result?
Tick-borne diseases (TBD): IgM (Lyme disease/Borrelia burgdorferi, Anaplasma phagocytophilum, Coxiella burnetii, Babesia microti, Powassan virus)		☐ Yes (specify which TBD yielded positive results): ☐ No (specify which TBD were tested and found to be negative): ☐ Unknown
Tick-borne diseases (TBD): IgG (Lyme disease/Borrelia burgdorferi, Anaplasma phagocytophilum, Coxiella burnetii, Babesia microti, Powassan virus)		☐ Yes (specify which TBD yielded positive results) ☐ No (specify which TBD were tested and found to be negative) ☐ Unknown
Parvovirus: IgM		 ☐ Yes (specify which parvovirus strain yielded positive results): ☐ No (specify which parvovirus strains were tested and found to be negative): ☐ Unknown
Parvovirus: IgG		 ☐ Yes (specify which parvovirus strain yielded positive results): ☐ No (specify which parvovirus strains were tested and found to be negative): ☐ Unknown
Mycotoxin/fungal (IgE antibodies unless otherwise specified)		☐ Yes (specify which mycotoxins/fungi yielded positive results): ☐ No (specify which mycotoxins/fungi were tested and found to be negative): ☐ Unknown
Lipopolysaccharides (LPS): IgA, IgM or IgG		☐ Yes (specify bacterial source/type of LPS and whether IgA, IgM and/or IgG positive) ☐ No (specify which were tested and whether IgA, IgM and/or IgG was found to be negative) ☐ Unknown

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[Study Name/ID pre-filled]

Site Name: Subject ID:

Table 2B Infectious Disease Laboratory Tests - PCR, Other

Test	Test Type	Sample Type	Positive Result?
Epstein-Barr virus (EBV)	☐ PCR ☐ Other (specify) ☐ Unknown	☐ Serum ☐ PBMC ☐ Other (specify)	☐ Yes ☐ No ☐ Unknown
Cytomegalovirus (CMV)	PCR Other (specify) Unknown	Serum PBMC Other (specify)	☐ Yes ☐ No ☐ Unknown
Coxsackie B virus (CBV)	☐ PCR ☐ Other (specify) ☐ Unknown	☐ Serum ☐ PBMC ☐ Other (specify)	☐ Yes ☐ No ☐ Unknown
Human herpes virus 6 (HHV6)	PCR Other (specify) Unknown	☐ Serum ☐ PBMC ☐ Other (specify)	☐ Yes ☐ No ☐ Unknown
Echovirus	PCR Other (specify) Unknown	☐ Serum ☐ PBMC ☐ Other (specify)	☐ Yes ☐ No ☐ Unknown
Chlamydia pneumoniae	PCR Other (specify) Unknown	☐ Serum ☐ PBMC ☐ Other (specify)	☐ Yes ☐ No ☐ Unknown
Mycoplasma pneumoniae	PCR Other (specify) Unknown	☐ Serum ☐ PBMC ☐ Other (specify)	☐ Yes ☐ No ☐ Unknown

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Site Name: Subject ID:

Tick-borne diseases (TBD)	PCR Other (specify) Unknown	Serum PBMC Other (specify)	☐ Yes (specify which TBD yielded positive results) ☐ No (specify which TBD were tested and found to be negative) ☐ Unknown
Parvovirus	☐ PCR ☐ Other (specify) ☐ Unknown	Serum PBMC Other (specify)	 ☐ Yes (specify which parvovirus strains yielded positive results) ☐ No (specify which parvovirus strains were tested and found to be negative) ☐ Unknown
Giardia	☐ Antigen test ☐ PCR ☐ Other (specify) ☐ Unknown	Stool Other (specify)	☐ Yes ☐ No ☐ Unknown

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[Study Name/ID pre-filled]

Site Name: Subject ID:

Table 3 Autoimmunological and Other Immune Profiling Laboratory Tests

Table 3 Autoimmunological and Other Imn Test	Result	Unit for Result	Abnormal Result?
Cytokines: TGFbeta	TBD	TBD	☐ Normal ☐ Abnormal ☐ Unknown
Cytokines: Interleukin 6 (IL-6)	TBD	TBD	☐ Normal ☐ Abnormal ☐ Unknown
Cytokines: Interleukin 1 beta (IL-1b)	TBD	TBD	☐ Normal ☐ Abnormal ☐ Unknown
Cytokines: Tumor necrosis factor-alpha (TNF-alpha)	TBD	TBD	☐ Normal ☐ Abnormal ☐ Unknown
Cytokines: Interferon gamma (IFN-gamma)	TBD	TBD	☐ Normal ☐ Abnormal ☐ Unknown
Cytokines: Interleukin 8 (IL-8)	TBD	TBD	☐ Normal ☐ Abnormal ☐ Unknown
Antinuclear antibodies (ANA): IgM	TBD	TBD	☐ Normal ☐ Abnormal ☐ Unknown
Antinuclear antibodies (ANA): IgG			☐ Normal ☐ Abnormal ☐ Unknown
Rheumatoid Factor (RF) antibodies: IgM	TBD	TBD	☐ Normal ☐ Abnormal ☐ Unknown
Rheumatoid Factor (RF) antibodies: IgG	TBD	TBD	☐ Normal ☐ Abnormal ☐ Unknown

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[Study Name/ID pre-filled]

Site Name: Subject ID:

Test	Result	Unit for Result	Abnormal Result?
Antimitochondrial antibodies: anti-cardiolipin antibodies (ACA)	TBD Specify test type (e.g., ELISA, complement fixation test)		Normal Abnormal Unknown
Antimitochondrial antibodies: anti-M3 protein	Specify test type(e.g., ELISA, complement fixation test)		☐ Normal ☐ Abnormal ☐ Unknown
Antimitochondrial antibodies: anti-M4 protein	Specify test type(e.g., ELISA, complement fixation test)		☐ Normal ☐ Abnormal ☐ Unknown
Anti-muscarinic receptor antibodies	TBD Specify test type (e.g., ELISA, complement fixation test), specificity (which muscarinic receptor, if known) and isotype (e.g., IgM, IgG)	TBD	☐ Normal ☐ Abnormal ☐ Unknown
Anti-beta-1 adrenergic antibodies	Specify test type (e.g., ELISA, complement fixation test) and isotype (e.g., IgM, IgG)	TBD	☐ Normal ☐ Abnormal ☐ Unknown
Anti-beta-2 adrenergic antibodies	Specify test type (e.g., ELISA, complement fixation test) and isotype (e.g., IgM, IgG)	TBD	☐ Normal ☐ Abnormal ☐ Unknown
Anti-streptolysin O antibodies	TBD	TBD	☐ Normal ☐ Abnormal ☐ Unknown
Anti-DNase B antibodies	TBD	TBD	☐ Normal ☐ Abnormal ☐ Unknown

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[Study Name/ID pre-filled]

Site Name: Subject ID:

Table 4 Hypersensitivity Lab Tests

Test	Result	Unit for Result
Eosinophils	TBD	TBD
Tryptase	TBD	TBD
Food-based IgG skin test	TBD	TBD
Food-based IgE skin test	TBD	TBD

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Laboratory Tests – Immune Module Instructions

[Study Name/ID pre-filled]

Site Name:

Subject ID:

General Instructions

Laboratory tests are routinely administered in clinical trials of pharmacological interventions to assess subject safety. Laboratory tests may also be used to determine an individual's eligibility for a study.

Laboratory results may be received via electronic files directly from central study laboratories or recorded manually on case report forms if the study is using a local lab. In either scenario, it is recommended that the Laboratory Test form be used to record when samples were collected (date and time) so that the laboratory tests results can be matched with the samples collected for each subject.

Important note: None of the data elements included on this CRF Module are considered Core (i.e., required for all ME/CFS studies to collect). All data elements are considered Supplemental (i.e., non-Core) and should only be collected if the research team considers them appropriate for their study, unless specified by an asterisk.

**Element is classified as Supplemental – Highly Recommended

Specific Instructions

Please see the Data Dictionary for definitions for each of the data elements included in this CRF Module.

- a. Test Indicate the name of each laboratory test that is run on the specimen. See the data dictionary for additional information on coding the test name using Logical Observation Identifiers Names and Codes (LOINC).
- b. Result Record the numeric or alpha-numeric results for each laboratory test.
- c. Unit for Result Record the units of the numeric results for each laboratory test are measured in. See the data dictionary for additional information on coding the unit of measure using Unified Code for Units of Measure (UCUM).

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