



# OMF ME/CFS Severely III-BIG DATA Study Tests

Revised on December 11, 2015

## Research Tests

- RNA Gene Expression - PBMCs
- RNA Gene Expression - NKs
- RNA Gene Expression - Monocytes
- RNA Gene Expression - T-Cells
- RNA Gene Expression - B-Cells
- RNA Gene Expression - Macrophages
- RNA Gene Expression - Dendritic Cells
- MicroRNA in Plasma
- Proteomics
- Cell-Free DNA
- Whole Genome Sequencing
- Whole Exome Genome Sequencing
- Mitochondrial Genome Sequencing
- Mitochondrial DNA/Nuclear DNA Ratio
- HLA DNA Sequencing
- WBC density
- Autoantibody panel
- T-cell Repertoire DNA Sequencing-Stanford
- T-cell Repertoire DNA Sequencing-Sequentia
- CyTOF Standard Panel
- CyTOF Additional Panels
- Pan Viral Panel
- Serum Cytokines
- Ceres Nano Lyme
- Microbiome - stool
- Metabolomics - stool
- Metabolomics - plasma
- Metabolomics - urine
- Heavy Metals - blood
- Heavy Metals - urine
- Mycotoxins by Magarray

## Clinical Testing

- Acylcarnitines
- Ammonia

Bartonella extended cx  
Biotin (Vitamin B7)  
CBC (Complete Blood Count)  
Chemistry Comprehensive Panel  
Creatine Kinase  
Copper  
C- Reactive Protein  
Cysteine  
Folate  
FSH (Follicle-Stimulating Hormone)  
LH (Luteinizing Hormone)  
Estrogen  
HbA1C (Hemoglobin A1c)  
Homocysteine  
IgG Subsets  
Lactate  
Lyme Serology with reflex Western Blot  
Lymphocyte Subsets  
MMA (Methylmalonic Acid)  
MTHFR Mutations (Methylenetetrahydrofolate)  
Natural Killer Cell (Count & Function)  
Organic Acids - urine  
Pyruvate  
Serotonin  
Testosterone  
Thyroid Panel  
Uric Acid  
Vasopressin/ADH  
Viral Digital PCR  
Viral Serologies:  
    EBV EA (Epstein Barr Virus EA)  
    EBV NA (Epstein Barr Virus NA)  
    EBV VCA (Epstein Barr Virus VCA)  
    CMV (Cytomegalovirus)  
    HHV-6 (Human Herpesvirus 6)  
    Parvovirus  
    HHV-7 (Human Herpes Virus 7)  
    HSV1&2 (Herpes Simplex 1 & 2)  
Vitamin B12 (Cobalamin)  
Vitamin D25 OH

## **Other Testing/Monitoring**

Extended EEG

Sleep monitoring

Fitbit

Cognitive Testing

Questionnaires - SF36, PROMIS