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A Jeffrey Modell Diagnostic Center for Primary Immunodeficiency

TEST DESCRIPTION OVERVIEW

| TEST NAME | DESCRIPTION | TEST CODE | CPT CODE(S) | ANTIGENS INVESTIGATED | | | |
|---|---|-----------|---|---|-----------------------------|-------------------|------------------------|
| | | | | <u>T-Subsets</u> | <u>B-Subsets</u> | <u>NK-Subsets</u> | <u>Other</u> |
| ABSOLUTE AT4 | To monitor patient's individual CD4 and CD8 T cell populations. Panel is routinely used in determining therapeutic considerations for HIV+ patients. | AT4 | 88184-TC 88185 x4-TC 86359-TC 88187 | CD3 CD4 CD8 | | | CD14 CD45 |
| AUTOIMMUNE LYMPHOPROLIFERATIVE SYNDROME | Evaluates the presence of TCR alpha/beta positive -CD4 and CD8 double negative T cells, referred to as TCRab-DNTCs. | AILYMP | 88184-TC 88185 x13-TC 86355-TC 86359-TC 88188 | CD3 CD4 CD8 B220 TCRab TCRgd | CD19 CD21 CD27 IgD | CD16 CD56 | CD14 CD45 |
| BRUTON'S TYROSINE KINASE | Evaluates the presence of Bruton's Tyrosine Kinase (BTK) expression in monocytes and B cells. | BTK | 88184-TC 88185 x8-TC 86355-TC 86359-TC 88187 | CD3 CD4 CD8 | CD19 BTK | CD16 CD56 | CD14 CD45 |
| COMMON VARIABLE IMMUNODEFICIENCY | Evaluates lymphocyte subpopulations, T cell memory and activation status, and B cells naive/memory/switched memory status based on IgD and CD27 expression. | CVID | 88184-TC 88185 x13-TC 86355-TC 86359-TC 88188 | CD3 CD4 CD8 CD45RA CD45RO | CD19 CD21 CD27 IgD | CD16 CD56 | CD14 CD45 HLA-DR |

CYTOKINE-

| TEST NAME | DESCRIPTION | TEST CODE | CPT CODE(S) | ANTIGENS INVESTIGATED | | | |
|---|--|-----------|---|--|------------------|-------------------|---------------------------------------|
| | | | | <u>T-Subsets</u> | <u>B-Subsets</u> | <u>Nk-Subsets</u> | <u>Other</u> |
| T REGULATORY –FOXP3 (PBMC ISOLATION) | Evaluates lymphocyte subpopulations and the presence of Foxp3+ T regulatory cells. | TREG | 88184-TC 88185 x12-TC 86355-TC 86359-TC 88188 | CD3 CD4 CD8 CD45RA CD45RO CD25 FoxP3 | CD19 | CD16 CD56 | CD14 CD45 HLA-DR |
| X-LINKED LYPHOPROLIFERATIVE SYNDROME (PBMC ISOLATION) | Determines the presence of SAP and XIAP expression in lymphocytes to evaluate for XLP type 1 and type 2, respectively. | XLP | 88184-TC 88185 x12-TC 86355-TC 86359-TC 88188 | CD3 CD4 CD8 CD45RA CD45RO | CD19 | CD16 CD56 | CD14 CD45 HLA-DR SAP XIAP |
| LIPOPOLYSACCHARIDE-RESPONSIVE BEIGE-LIKE ANCHOR PROTEIN | Determines LRBA expression by lymphocytes. In addition, we evaluate FOXP3 expression as well as CTLA4. | LRBA | 88184-TC 88185 x12-TC 86355-TC 86359-TC 88188 | CD3 CD4 CD8 CD45RA CD45RO | | | |