MAYO CLINIC
Mayo Medical Laboratories

TEST DEFINITION

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10/15/2010
Code   Name
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89318  T Cell Subsets, Regulatory (Tregs)

  **** End of Name to order code Report ****



MML                                  MML Test setup information

  ORDER      EFF                                                                                    Perform
  CODE       DATE   TC     TITLE          Checking Normals              Print normals (# coded)  Site *
 ------      ----   ----   ----------     ----------------              -----------------------  -------
   89318     9/30/2010     T Cell Subsets, Regulatory (Tregs)                                     MCR
                    Transport temp : Refrig <72 hours\Ambient NO\Frozen NO
                    29143    Activated CD4+ T cells (4+CD25+)
                                Units: % CD4 T-cells
                                   NO SEX
                                No age        :                          ; #N29143
                                1D to 2Y      :                          ; Not established
                                3Y to 18Y     : 5.7-31.0                 ; 5.7-31.0
                                19Y to 84Y    : 2.4-35.0                 ; 2.4-35.0
                                85Y to 150Y   :                          ; Not established
                                   MALE
                                No age        :                          ; #N29143
                                1D to 2Y      :                          ; Not established
                                3Y to 18Y     : 5.7-31.0                 ; 5.7-31.0
                                19Y to 84Y    : 2.4-35.0                 ; 2.4-35.0
                                85Y to 150Y   :                          ; Not established
                                   FEMALE
                                No age        :                          ; #N29143
                                1D to 2Y      :                          ; Not established
                                3Y to 18Y     : 5.7-31.0                 ; 5.7-31.0
                                19Y to 84Y    : 2.4-35.0                 ; 2.4-35.0
                                85Y to 150Y   :                          ; Not established
                             -  -  -  -  -
                    29144    CD4+CD25+CD127loCD45RO+ (Nat Tregs)
                                Units: % CD4 T-cells
                                   NO SEX
                                No age        :                          ; #N29144
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(continued next page)

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  ORDER      EFF                                                                    Perform
  CODE       DATE   TC     TITLE          Checking Normals              Print normals (# coded)  Site *
 ------      ----   ----   ----------     ----------------              -----------------------  -------
89318  (continued)
                    29144    CD4+CD25+CD127loCD45RO+ (Nat Tregs)  (continued)
                                1D to 2Y      :                          ; Not established
                                3Y to 18Y     : 0.7-4.0                  ; 0.7-4.0
                                19Y to 84Y    : 0.6-4.3                  ; 0.6-4.3
                                85Y to 150Y   :                          ; Not established
                                   MALE
                                No age        :                          ; #N29144
                                1D to 2Y      :                          ; Not established
                                3Y to 18Y     : 0.7-4.0                  ; 0.7-4.0
                                19Y to 84Y    : 0.6-4.3                  ; 0.6-4.3
                                85Y to 150Y   :                          ; Not established
                                   FEMALE
                                No age        :                          ; #N29144
                                1D to 2Y      :                          ; Not established
                                3Y to 18Y     : 0.7-4.0                  ; 0.7-4.0
                                19Y to 84Y    : 0.6-4.3                  ; 0.6-4.3
                                85Y to 150Y   :                          ; Not established
                         -  -  -  -  -
                    29145    CD4+CD25+CD127loCD45RA+ Naive Tregs
                                Units: % CD4 T-cells
                                   NO SEX
                                No age        :                          ; #N29145
                                1D to 2Y      :                          ; Not established
                                3Y to 18Y     : 0.6-9.0                  ; 0.6-9.0
                                19Y to 84Y    : 0.1-2.3                  ; 0.1-2.3
                                85Y to 150Y   :                          ; Not established
                                   MALE
                                No age        :                          ; #N29145
                                1D to 2Y      :                          ; Not established
                                3Y to 18Y     : 0.6-9.0                  ; 0.6-9.0
                                19Y to 84Y    : 0.1-2.3                  ; 0.1-2.3
                                85Y to 150Y   :                          ; Not established
                                   FEMALE
                                No age        :                          ; #N29145
                                1D to 2Y      :                          ; Not established
                                3Y to 18Y     : 0.6-9.0                  ; 0.6-9.0
                                19Y to 84Y    : 0.1-2.3                  ; 0.1-2.3
                                85Y to 150Y   :                          ; Not established
                         -  -  -  -  -
                    29146    CD4+CD25-CD127+ (Tr1/Th3)
                                Units: % CD4 T-cells
                                   NO SEX
                                No age        :                          ; #N29146
                                1D to 2Y      :                          ; Not established
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                              3Y to 8Y      : 51-78                    ; 51-78
                              9Y to 18Y     : 51-84                    ; 51-84
                              19Y to 84Y    : 24-88                    ; 24-88
                              85Y to 150Y   :                          ; Not established
                                 MALE
                              No age        :                          ; #N29146
                     (continued next page)

MML                                  MML Test setup information

  ORDER      EFF                                                                          Perform
  CODE       DATE   TC     TITLE          Checking Normals              Print normals (# coded)  Site *
 ------      ----   ----   ----------     ----------------              -----------------------  -------
89318  (continued)
                     29146    CD4+CD25-CD127+ (Tr1/Th3)  (continued)
                              1D to 2Y      :                          ; Not established
                              3Y to 8Y      : 51-78                    ; 51-78
                              9Y to 18Y     : 51-84                    ; 51-84
                              19Y to 84Y    : 24-88                    ; 24-88
                              85Y to 150Y   :                          ; Not established
                                 FEMALE
                              No age        :                          ; #N29146
                              1D to 2Y      :                          ; Not established
                              3Y to 8Y      : 51-78                    ; 51-78
                              9Y to 18Y     : 51-84                    ; 51-84
                              19Y to 84Y    : 24-88                    ; 24-88
                              85Y to 150Y   :                          ; Not established
                           -  -  -  -  -
                     29147    Activated CD4+ T cells (4+CD25+)
                              Units: cells/mcL
                                 NO SEX
                              No age        :                          ; #N29147
                              1D to 2Y      :                          ; Not established
                              3Y to 18Y     : 36-248                   ; 36-248
                              19Y to 84Y    : 16-323                   ; 16-323
                              85Y to 150Y   :                          ; Not established
                                 MALE
                              No age        :                          ; #N29147
                              1D to 2Y      :                          ; Not established
                              3Y to 18Y     : 36-248                   ; 36-248
                              19Y to 84Y    : 16-323                   ; 16-323
                              85Y to 150Y   :                          ; Not established
                                 FEMALE
                              No age        :                          ; #N29147
                              1D to 2Y      :                          ; Not established
                              3Y to 18Y     : 36-248                   ; 36-248
                              19Y to 84Y    : 16-323                   ; 16-323
                              85Y to 150Y   :                          ; Not established
                           -  -  -  -  -
                     29148    CD4+CD25+CD127loCD45RO+ (Nat Tregs)
                              Units: cells/mcL
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                                 NO SEX
                              No age        :                          ; #N29148
                              1D to 2Y      :                          ; Not established
                              3Y to 18Y     : 4-25                     ; 4-25
                              19Y to 84Y    : 5-43                     ; 5-43
                              85Y to 150Y   :                          ; Not established
                                 MALE
                              No age        :                          ; #N29148
                              1D to 2Y      :                          ; Not established
                              3Y to 18Y     : 4-25                     ; 4-25
                              19Y to 84Y    : 5-43                     ; 5-43
                              85Y to 150Y   :                          ; Not established
                                 FEMALE
                     (continued next page)

MML                                  MML Test setup information

  ORDER      EFF                                                                          Perform
  CODE       DATE   TC     TITLE          Checking Normals              Print normals (# coded)  Site *
 ------      ----   ----   ----------     ----------------              -----------------------  -------
89318  (continued)
                     29148    CD4+CD25+CD127loCD45RO+ (Nat Tregs)  (continued)
                              No age        :                          ; #N29148
                              1D to 2Y      :                          ; Not established
                              3Y to 18Y     : 4-25                     ; 4-25
                              19Y to 84Y    : 5-43                     ; 5-43
                              85Y to 150Y   :                          ; Not established
                           -  -  -  -  -
                     29149    CD4+CD25+CD127loCD45RA+ Naive Tregs
                              Units: cells/mcL
                                 NO SEX
                              No age        :                          ; #N29149
                              1D to 2Y      :                          ; Not established
                              3Y to 18Y     : 4.0-67.0                 ; 4.0-67.0
                              19Y to 84Y    : 0.4-22.0                 ; 0.4-22.0
                              85Y to 150Y   :                          ; Not established
                                 MALE
                              No age        :                          ; #N29149
                              1D to 2Y      :                          ; Not established
                              3Y to 18Y     : 4.0-67.0                 ; 4.0-67.0
                              19Y to 84Y    : 0.4-22.0                 ; 0.4-22.0
                              85Y to 150Y   :                          ; Not established
                                 FEMALE
                              No age        :                          ; #N29149
                              1D to 2Y      :                          ; Not established
                              3Y to 18Y     : 4.0-67.0                 ; 4.0-67.0
                              19Y to 84Y    : 0.4-22.0                 ; 0.4-22.0
                              85Y to 150Y   :                          ; Not established
                           -  -  -  -  -
                     29150    CD4+CD25-CD127+ (Tr1/Th3)
                              Units: cells/mcL
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                                 NO SEX
                              No age        :                          ; #N29150
                              1D to 2Y      :                          ; Not established
                              3Y to 18Y     : 236-1058                 ; 236-1058
                              19Y to 84Y    : 133-1304                 ; 133-1304
                              85Y to 150Y   :                          ; Not established
                                 MALE
                              No age        :                          ; #N29150
                              1D to 2Y      :                          ; Not established
                              3Y to 18Y     : 236-1058                 ; 236-1058
                              19Y to 84Y    : 133-1304                 ; 133-1304
                              85Y to 150Y   :                          ; Not established
                                 FEMALE
                              No age        :                          ; #N29150
                              1D to 2Y      :                          ; Not established
                              3Y to 18Y     : 236-1058                 ; 236-1058
                              19Y to 84Y    : 133-1304                 ; 133-1304
                              85Y to 150Y   :                          ; Not established
                        -  -  -  -  -
                 29177    Interpretation
                          TEST CODE ALWAYS MESSAGE - [Z29177]
                          Z29177   CD4+CD25+CD127- T-cells are FOXP3-expressing regulatory
                                   T-cells. Seddiki N et al, J. Exp Med. 2006, 203(7):
                                   1693-1700 and Liu W et al, J Exp Med, 2006, 203(7):
                                   1701-1711.
                                   Analyte Specific Reagent
                                   This test was developed and its performance characteristics
                                   determined by Laboratory Medicine and Pathology, Mayo
                                   Clinic. This test has not been cleared or
                                   approved by the U.S. Food and Drug Administration.
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MML MML Test setup information

*Performing Site Legend

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MCR     Mayo Clinic Dpt of Lab Med & Pathology              LAB DIRECTOR:   Franklin R. Cockerill, III, M.D.
        200 First Street SW
        Rochester, MN  55905
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*** End of Report ***

CODE	TEXT
N29143	Not established (0-2 y) 5.7-31.0 (3-18 y) 2.4-35.0 (19-84 y) Not established (>= 85y)
N29144	Not established (0-2 y) 0.7-4.0 (3-18 y) 0.6-4.3 (19-84 y) Not established (>=85 y)
N29145	Not established (0-2 y) 0.6-9.0 (3-18 y) 0.1-2.3 (19-84 y) Not established (>= 85 y)
N29146	Not established (0-2 y) 51-78 (3-8 y) 51-84 (9-18 y) 24-88 (19-84 y) Not estabished (>=85 y)
N29147	Not established (0-2 y) 36-248 (3-18 y) 16-323 (19-84 y) Not established (>= 85 y)
N29148	Not established (0-2 y) 4-25 (3-18 y) 5-43 (19-84 y) Not established (>= 85 y)
N29149	Not established (0-2 y) 4-67 (3-18 y) 0.4-22.0 (19-84 y) Not established (>= 85 y)

CODE	TEXT
N29150	Not established (0-2 y) 236-1058 (3-18 y) 133-1304 (19-84 y) Not established (>=85 y)

Total of 8 normals codes

*** End of Report ***