

Notification of Test Change

T Cell Subsets Flow Cytometry

Effective April 12, 2016, the Detroit Medical Center University Laboratories will be changing the current T Cell Subpopulations assay used to monitor individuals infected with human immunodeficiency virus.

A new In Vitro Diagnostic assay incorporating single-platform technology (SPT) will now be performed. In SPT, absolute counts are measured using a single instrument. Results obtained through SPT are considered more accurate and precise than the current dual-platform assay.

Note: With this technology, a CBC with differential will no longer be needed for the determination of absolute counts.

The new assay will continue to report percentages and absolute counts of total T lymphocytes (CD3), helper/inducer lymphocytes (CD4), and suppressor/cytotoxic lymphocytes (CD8), as well as the helper:suppressor ratio.

Testing will no longer be performed in the Immunodiagnostics Laboratory. Testing will move to the DMCUL Flow Cytometry Laboratory located at Detroit Receiving Hospital.

Specimen Requirements:

Whole blood, 1 EDTA tube <48 hours old. Collect Sunday-Thursday only.

Keep at room temperature.

Note: A CBC with differential will no longer be needed for the determination of absolute counts.

Days Performed:

Monday-Friday; samples should be collected Sunday-Thursday only.

Ordering Codes:

NEW

Discontinued

CIS Description

T Cell Subsets

T Cell Subpopulations

ANTRIM

345843

T4T8

SUNQUEST

CD4CD8

T4T8

CPT Codes:

86359

86360

Technical inquiries:

DMCUL Flow Cytometry Laboratory: (313) 745-8561 or (313) 745-2368

Hayan Jaratli, MD Flow Cytometry Director: (313) 745-2553; hjaratli@dmc.org ; Pager #4571

Ali Gabali, MD, PhD Hematopathology Director: (313) 745-3561; agabali@dmc.org ; Pager #4851

Debra Gingrich Flow Cytometry Supervisor: (313) 745-2016; dgingric@dmc.org ; Pager #9572