CLINICAL PATHOLOGY LABORATORIES
A Sonic Healthcare Company

Change in Instrumentation: Lymphocyte Subset Analysis and Enumeration to AQUIOS CL Flow Cytometry System

Offering our clients state-of-the-art testing is part of CPL's ongoing commitment to excellence.

Effective July 1, 2019, Clinical Pathology Laboratories will change the current reagents and instrumentation for lymphocyte subset analysis and enumeration to the Beckman Coulter AQUIOS CL Flow Cytometry System using AQUIOS Tetra-1 and Tetra-2+ Panels. **NOTE:** Adult reference ranges and specimen stability will be updated concurrent with this change.

	Fluorochrome			
	FITC	**RD1**	**ECD**	**PC5**
AQUIOS Tetra-1	CD45	CD4	CD8	CD3
AQUIOS Tetra-2+	CD45	CD16+56	CD19	CD3

The AQUIOS CL is a fully automated flow cytometry system based on precise volumetric sampling to produce efficient, high-throughput lymphocyte subset analysis. In the clinical diagnosis and management of immune deficiency diseases, accuracy and precision in the enumeration of relative (percent) and absolute lymphocyte subsets is critical. The volumetric AQUIOS CL method eliminates the need for and variability produced by the introduction of fluorescent beads to the specimen. The platform is validated for identification and enumeration of T, B, and NK lymphocytes in whole blood.

Please contact your CPL Account Representative should you have any questions regarding this change.

Order Codes:	4870, 5664, 4875, 4873, 4865, 4813, 4594, 3735*
Test Method:	AQUIOS Tetra-1 and Tetra-2+ Lymphocyte Subset Analysis
Specimen Requirements:	4 mL EDTA Whole Blood*
Specimen Rejection Criteria:	Hemolysis, Refrigerated Samples, Frozen Samples, and Heparin Samples*
Transport Temperature / Stability:	Critical Room Temperature* up to 2 days
Performed:	Monday - Sunday*
Analytic Time:	1 day*
Reference Ranges (≥18YRS):	CD3% 58.0-84.0% CD3 ABS 850-2240 cells/µL CD4% 34.0-65.0% CD4 ABS 520-1470 cells/µL CD8% 13.0-38.0% CD8 ABS 205-920 cells/µL CD19% 6.0-25.0% CD19 ABS 87-507 cells/µL CD16+56% 4.0-27.0% CD16+56 ABS 74-562 cells/µL
CPT Codes:	86360, 86359, 86357, 86355*

**Unchanged from previous platform*

Thank you for supporting Clinical Pathology Laboratories