Siemens Healthcare Diagnostics, a global leader in clinical diagnostics, provides healthcare professionals in hospital, reference, and physician office laboratories and point-of-care settings with the vital information required to accurately diagnose, treat, and monitor patients. Our innovative portfolio of performance-driven solutions and personalized customer care combine to streamline workflow, enhance operational efficiency, and support improved patient outcomes.

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Order No. A91DX-CAI-131354-GC1-4400
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In 1984, when ARUP Laboratories was created by the University of Utah School of Medicine's Department of Pathology, it was given two directives. One was close to home: ARUP was charged with providing clinical lab services to the University of Utah Hospital and Clinics. But in addition, ARUP’s founders directed the lab to become a leading national reference laboratory as well, specializing in the cutting edge testing services that define quality healthcare and support patient outcomes.

Today, ARUP is a worldwide leader in laboratory research and development. It offers a comprehensive menu of over 3,000 tests and test combinations, from routine screening tests to esoteric molecular processes and instrumentation.

ARUP Laboratories Transforms Workflow and Shortens Turnaround Times

When the need for technicians to perform manual reviews of its red blood cell count results, and improved the lab’s support of the hospital’s pediatric physicians who want to be alerted if neonatal patients show elevated levels of nucleated red blood cells. In cases where reviews are required, the new system improves workflow efficiency as well, because the lab technicians can use an advanced system middleware, CentraLink, and Data Management System, to verify results.

Number of test reviews reduced

“arup examined both its workflow processes and instrumentation. It began by reviewing two years’ worth of test results, focusing on the 20,000 repeats performed during that period. The lab found that its technicians didn’t always consider the cumulative impact of review times. ‘They thought, ‘it only takes me 10 seconds to review a result,’” says tomos Morfou, Lead Technologist. ARUP also replaced its legacy technology: several years ago, it used at ARUP.

When we select lab technology, we expect it to improve our services—including reduce turnaround time, improve quality, and automate processes. We are satisfied today that we are meeting that commitment.”

Karen Villnave, Technical Group Manager for Immunology Group II, ARUP.

The outcomes achieved by the Siemens customer described herein were achieved in the customer’s unique setting. Since there is no “typical” laboratory and many variables exist, there can be no guarantee that others will achieve the same results.

ADVA 2120i Hematology System in action.