Endless Benefits
Intelligent automation previously exclusive to larger laboratories is now within your reach. The DxA 5000 Fit is designed for laboratories with space constraints, yet its scalable design allows it to easily expand to accommodate growing workloads.

The DxA 5000 Fit is an automation system comprising an integrated input/output module—which can be combined with centrifugation—connects to clinical chemistry, immunoassay and hematology instruments.

Rapid and Consistent Turnaround Time
The DxA 5000 Fit automation system delivers a unique combination of rapid and consistent turnaround time along with the industry’s most comprehensive pre-analytical sample quality assessment. It delivers significant efficiency gains by joining automated pre- and post-analytical sample processing with connected chemistry and immunoassay analyzers.
Maximize Productivity, Streamline Workflows

**End-to-end automation** can fundamentally improve your workflow by:

- Freeing up valuable medical technologists’ time
- Improving the speed and consistency of turnaround time
- Helping to identify errors earlier and reduce human errors
- Optimizing laboratory operation with single point of entry for all specimens

**Sample quality detection** uses the industry’s most comprehensive pre-analytical specimen check to inspect 9 sample parameters within 3 seconds of touching each tube:

1. Read the barcode label
2. Measure sample tube size
3. Identify container type
4. Identify container cap type
5. Identify container cap color
6. Measure the fill level
7. Measure sample volume
8. Calculate sample weight
9. Conducts pre-spun status check

**Universal centrifugation profile** can reduce centrifugation processing time *

**Single point of entry** supports various tubes types and sizes for batch loading with STAT samples having the highest priority.

**Aliquoter** provides access to dual aliquoting system with liquid level detection to enable smart aliquoting *

**End-to-end automation** can fundamentally improve your workflow by:

**Connect to** select immunoassay, chemistry and hematology analyzers

**Rack building unit** feeds high-throughput analyzers multiple tubes simultaneously to increase efficiency and avoid bottlenecks on the main automation line for hematology, coagulation and chemistry analyzers.

**Direct-track sampling** is designed to efficiently sample tubes while on the four lane track for processing on immunoassay and chemistry analyzers in addition to coagulation instruments.
Comprehensive Workflow Automation

**PRE-ANALYTICAL**
- Barcode check and identification
- Accession to LIS
- Sorting
- Sample Condition Check
- Loading to Centrifuge*  
  - Centrifuge*  
  - Unloading Centrifuge*  
  - Decapping*  
  - Routing to dedicated instrument

**CONNECTION TO ANALYTICAL**

**ANALYZER CONNECTIONS**
- CHEMISTRY
- COAGULATION
- HEMATOLOGY
- IMMUNOASSAY

**POST-ANALYTICAL**
- Sample completion check
- Result review through autovalidation
- Sorting to: Archive | Send-out* | Offline testing*
- Add-on, re-run reflex management

*If needed.
The DxA Family with DxA 5000 and DxA 5000 Fit represents the culmination of years of customer-inspired design and rigorous reliability testing, and strengthens Beckman Coulter’s ongoing commitment to providing solutions that deliver accurate results with fast, consistent turnaround times, better detection of pre-analytical errors, and more efficient workflows designed to fit the needs of any-sized laboratory.

**CHEMISTRY**
Deliver a low total cost of ownership supported by proven uptime, scalability and use of fewer consumables.

**IMMUNOASSAY**
Maximize workflow efficiency with fast throughput, best uptime and scalable solutions to meet unique laboratory requirements.

**HEMATOLOGY**
Deliver faster, more accurate results (industry-leading 93% first-pass yield?), helping to achieve clinical effectiveness and operational efficiency in the laboratory.

**COAGULATION**
Grow your test menu to meet physician needs with DxA’s open connectivity.

**CLINICAL INFORMATICS**
Empowers laboratories with intuitive tools to ensure fast results that support better patient care. Our solutions help laboratories to standardize processes across instruments, optimize workflows, provide analytic insights and streamline inventory management.

Visit us online for configurations, instrument connections and videos at [www.BeckmanCoulter.com/DxA5000Fit](http://www.BeckmanCoulter.com/DxA5000Fit)

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2. Based on Beckman Coulter analysis of typical clinical diagnostics laboratory workflow steps. Actuals step counts may vary by laboratory.
3. Pre-spun status check is available for Greiner Bio-One & BD tubes.
5. In development, the performance characteristics have not been established; not yet available for in vitro diagnostic use.
6. For the latest characteristics visit the specifications tab at BeckmanCoulter.com/DxA5000Fit or contact your sales representative.
7. Calculation of the number of samples per hour per square meter is based on U.S. dimensions; comparisons include two connected instruments plus one slide-maker/stainer from different manufacturers with side and rear clearance.