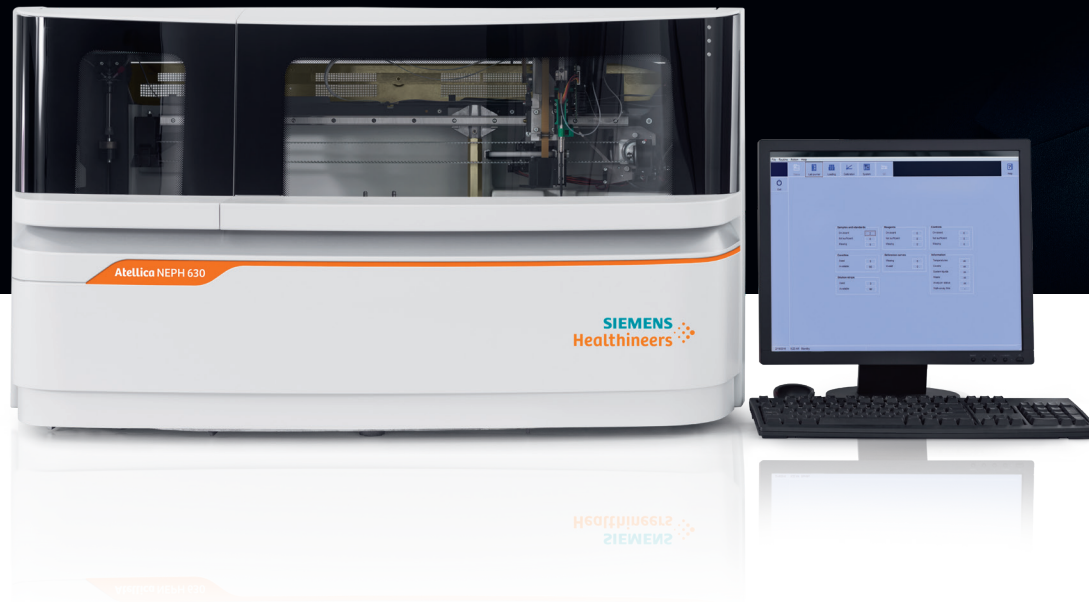


Smart. Simple. Secure.

Atellica NEPH 630 System

siemens-healthineers.com/atellica-neph-630



SIEMENS
Healthineers



Atellica Portfolio of Laboratory Products

Engineered by Siemens Healthineers to deliver control and simplicity so you can drive better outcomes.

Tighter control of your lab, simplified workflow, and more time to focus on driving better business and clinical outcomes—that's the promise of our Atellica® portfolio of laboratory products.

Control.
Simplicity.
Better Outcomes.

Labs seek control, simplicity, and better outcomes in protein testing.

Siemens Healthineers has helped shape and advance the protein testing market with more than 50 years of experience and five generations of dedicated nephelometric systems. We've pioneered advanced technologies and innovative assays in order to address the continuous pressure that labs are under to streamline workflow and processes, maximize service quality, improve cost efficiency, and drive better outcomes for clinicians and patients.

Pairing our commitment to innovation with increasingly higher standards to analyze proteins quickly, accurately, and in various body fluids, we have developed an easy-to-use system backed

by a comprehensive protein testing menu that provides accurate, secure, and reliable results to support better patient outcomes. The result is the Atellica NEPH 630 System*—specifically designed for low- to mid-volume labs in need of reliable protein testing on cerebrospinal fluid, serum, urine, and plasma.

The Atellica NEPH 630 System is a dedicated nephelometric system that simplifies lab operations by offering the broadest menu of protein tests on multiple sample types.† Part of the Atellica family, it streamlines workflow with highly intelligent software and provides smart, simple, secure testing.



*Not available for sale in the U.S. Product availability varies by country.

†As of December 2021.

‡Reagent efficiency report is not supported on the Atellica NEPH 630 System.

§Requires syngo® Lab Connectivity Manager.

Simplify your protein testing. Integrate your disease-state quantification. Advance your capabilities.

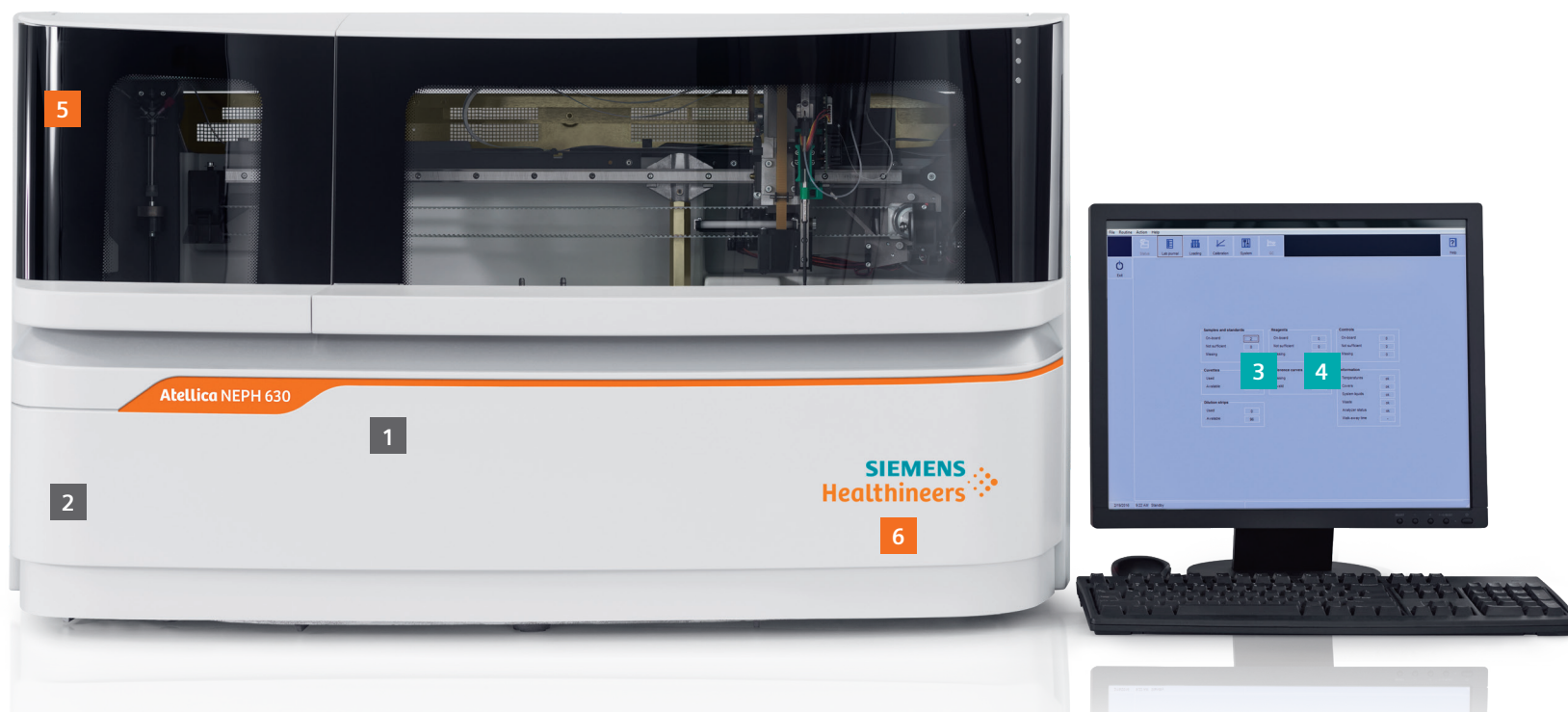
Siemens Healthineers developed the Atellica portfolio of products to empower labs with stronger operational control and streamlined workflows for improved business and clinical outcomes. The Atellica NEPH 630 System combines the high-performance features you expect from Siemens Healthineers nephelometric systems—including innovative assays, continuous access, flexible sample processing, easy calibration, and reliable results—with advanced software capabilities and IT connectivity.

Smart, simple, and secure—the Atellica NEPH 630 System stands out for its onboard capabilities, familiar Atellica user interface, and integration with end-to-end lab solutions.



Lab Goals	Objectives	Solution: Atellica NEPH 630 System	
Expand test menu	Complement consolidated chemistry system platforms with assay menu to expand insight into patients' conditions.	More than 70 assay protocols—including innovative assays such as free light chains (FLC), carbohydrate-deficient transferrin (CDT), beta-trace protein (BTP), serum amyloid A (SAA)*, and therapeutic drug monitoring for tumor necrosis factor alpha (TNFα)* inhibitors—are available for multiple sample types, enabling advanced clinical decisions.	Control
Streamline workflows	Eliminate bottlenecks due to limitations in staffing availability and expertise.	Sophisticated, intuitive software minimizes operator intervention by alerting operators when potential workflow disruptions occur.	Simplicity
	Reduce complexity of result reporting and data management.	You can easily streamline data flow with highly intelligent software, system connectivity to lab information systems, and Atellica Process Manager [†] for optimized lab operations through data analytics and visualization.	
	Reduce service disruptions.	The Atellica NEPH 630 System is built on a longstanding base of high system reliability. Connectivity to Smart Remote Services [§] helps increase uptime and simplifies troubleshooting in the rare case it is needed.	
Improve result quality	Provide reliable first-run results.	Optimized reaction conditions and pre-reaction protocols for selected assays ensure reliable results.	Better Outcomes
Protect data with cyber security	Reduce risk of data loss and/or disruption from malware.	State-of-the-art software provides a high level of cyber security to protect data from malicious software threats.	

**Gain more control over your protein workflow.
Simplify lab operations.
Improve financial and clinical outcomes.**



Atellica NEPH 630 System runs different sample types—including **cerebrospinal fluid, serum, urine, and plasma**—in random-access mode, allowing flexible and convenient operation.

HEALTHINEERS
SIEMENS

Control

1 Expand your testing capabilities with the broadest menu of protein tests on multiple sample types.[†]



- Features the industry's largest nephelometric menu of plasma protein assays.[‡]
- Flexible testing options enable testing on serum, urine, plasma, and CSF.
- More than 50 years of experience in protein analysis has led to longtime cooperation with IFCC in developing widely accepted standards.

2 Reduce hands-on time so laboratory staff can focus on high-value responsibilities.



- Onboard reagent and control storage provides 24/7 operation, long onboard stability, and minimized operator intervention.
- High sample-loading capacity allows load-and-go processing.
- Positive bar-code ID of primary sample tubes minimizes manual steps and avoids sample mismatch.
- Automatic dilutions and repeat measurement of out-of-range high or low samples are performed without user intervention.

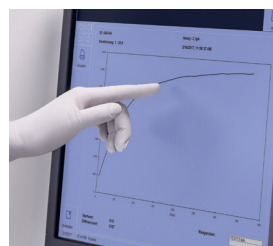
Simplicity

3 Streamline your lab workflows with highly intelligent software and IT connectivity.



- Integration with Atellica Process Manager simplifies lab management via aggregated system data, alerts, and remote control capability.[‡]
- Smart Remote Services[§] identifies and diagnoses potential hardware issues, enabling rapid technical intervention and quicker resolution.
- Advanced QC interface provides comprehensive statistics, allowing the transmission of control results to the LIS.

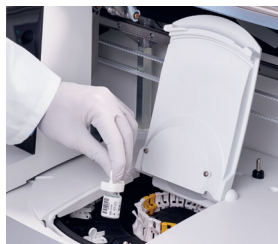
4 Deliver accurate and secure results.



- Proven nephelometric technology offers high precision and reproducibility.
- Sophisticated antigen-excess pre-reaction protocols provide more-accurate results and fewer repeats.
- Wide initial measuring ranges reduce the need for retesting.
- System detects specimen and reagent levels prior to processing to ensure accuracy of results.
- Graphical display of kinetic curves allows additional insight and advanced troubleshooting.
- State-of-the-art software provides a high level of cyber security.

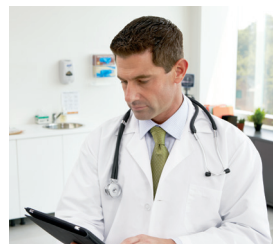
Better Outcomes

5 Save time and reduce waste with continuous access and smart technology.



- Flexible dilutions and automatic retesting can often be performed without re-accessing the primary sample.
- Fast average throughput of 65 tests** per hour. Nominal: 100 tests/hour.
- Sophisticated sample dilutions enable you to quickly add tests or retest samples.
- Samples and reagents can be loaded and reloaded continuously without interrupting the assay run.

6 Empower clinicians to improve patient outcomes.



- PROTIS[®] clinical decision support software* consolidates patient test results into one simple report with algorithm-based interpretation of results to support physicians in clinical decision making.
- Lot-to-lot consistency ensures concordance of results, providing physicians with reliable insight into the progression of disease.

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†As of December 2021.

‡Reagent efficiency report is not supported on the Atellica NEPH 630 System.

§Requires syngo[®] Lab Connectivity Manager.

**Depending on assay profile.

Expand your protein testing menu. Benefit from proven nephelometric technology. Get a complete disease-state picture.

Protein quantification has many applications across a range of disease states. Siemens Healthineers offers the industry's largest nephelometric menu of plasma protein assays.

Advanced lab performance through dedicated nephelometric plasma protein testing

Nephelometry offers analytical advantages over turbidimetry in terms of precision and sensitivity.¹⁻⁴ It is recommended by IMWG and ESMO guidelines as the gold standard for measuring high-sensitivity plasma protein assays. This additional sensitivity is critical for testing diseases such as multiple myeloma, for which accurate free light chain test results are required to derive a true free light chain kappa and lambda ratio. In addition, nephelometry provides wide measurement ranges through automatic dilutions, eliminating the need for manual redilutions.

Upgrading your lab with an Atellica NEPH 630 System for dedicated plasma protein testing offers workflow and clinical advantages. With its extensive test menu, it helps you expand your testing capabilities and gain broader insights into clinical conditions. Adding the system to your lab makes specialty testing available in-house and reduces the need for costly send-outs, helping to improve time to result and overall patient outcomes.



Download an overview
of Atellica NEPH 630
System's full menu at

[siemens-healthineers.com/
atellica-neph-630](https://www.siemens-healthineers.com/atellica-neph-630)

Atellica NEPH 630 System's menu consists of more than 70 assays, including therapeutic drug monitoring, cardiac risk assessment, kidney diseases, neurological disorders, nutritional assessment, and iron and anemia assessment, supported by innovative assays such as:

NEW! N Latex aTNF α assay* offers labs an automated, cost-effective, and accessible assay for monitoring therapeutic drugs adalimumab, infliximab, and etanercept.

N Latex FLC kappa and N Latex FLC lambda assays are designed for improved management of patients with monoclonal gammopathies.

N Latex BTP assay* is a fast and accurate screening method for detection of cerebrospinal fluid (CSF) and estimation of residual renal function (RRF).

N Latex CDT assay provides a highly specific method for the detection of chronic alcohol abuse.

IgG Subclass 1–4 immunoassays offer a comprehensive solution for IgG determination. This determination is indicated for diagnostic clarification in patients suffering from a broad range of conditions associated with immune and nonimmune abnormalities. The ability to measure all four subclasses provides insight into deficiencies that may be masked in a total IgG measurement or predominant IgG1 levels.

1. Liu, et al. Comparison of five urinary albumin measurements. J Clin Lab Anal. 2011;25.

2. Carcia-Casal, et al. Performance and comparability of laboratory methods for measuring ferritin concentrations. PLOS One. 2018 May.

3. Manufacturers' instructions for use. FLC kappa detection limits: Siemens Healthineers nephelometry—0.17 mg/L; TBS turbidimetry (FREELITE assay)—0.60 mg/L.

4. Lawler DM. Turbidity, turbidimetry, and nephelometry. In: Chemistry, molecular sciences and chemical engineering. Elsevier; 2016.

Operate confidently. Reduce data complexity. Drive better outcomes with a holistic portfolio of lab solutions and services.

State-of-the-art software and an advanced QC package support confident operations



The state-of-the-art user interface of the Atellica NEPH 630 System allows intuitive operation of the instrument, and its sophisticated software helps reduce operator intervention.



The Atellica NEPH 630 System integrates its software with powerful anti-malware for protection against viruses and other unwanted attacks.



A standardized QC package, also implemented in other Atellica systems from Siemens Healthineers, ensures high flexibility in the setup of QC profiles and statistics, which help meet regional requirements. This universally deployed software reduces training needs for staff in labs that use multiple Atellica systems.

Digitalize result interpretation with PROTIS clinical decision support software

Operating the Atellica NEPH 630 System with **PROTIS clinical decision support software*** allows consolidation of test results based on plasma protein determinations into one, easy-to-understand report for an individual patient. It supports a wide range of clinical indications and helps laboratories and physicians diagnose and treat patients more effectively.

Comprehensive remote services support enhanced workflows

Smart Remote Services[†] (SRS) is a fast, secure, and powerful data link that connects your medical equipment to our experts. Remote services include:

- ✓ Error identification and repair using advanced software troubleshooting tools
- ✓ Real-time interaction between your clinical staff and our application experts
- ✓ Regular distribution of software updates
- ✓ Hands-on training to enhance the competencies and productivity of your staff



Simplified operations and greater insights through integration with Atellica Diagnostics IT

Our scalable, easy-to-use solutions simplify tasks and maximize the effectiveness of the laboratory and its staff. Atellica IT helps enhance visibility, automate processes, and centralize management across instruments, automation, sites, and networks:

- **Atellica Data Manager** enables standardized testing protocols and result management throughout the lab and across lab networks.
- **Atellica Process Manager** provides centralized oversight and control of all systems, while also helping labs to standardize and optimize processes through built-in analytics.[‡]

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To learn more about the Atellica NEPH 630 System and how we can help meet your plasma protein testing needs, please contact your local Siemens Healthineers representative today.

At Siemens Healthineers, we pioneer breakthroughs in healthcare. For everyone. Everywhere. By constantly bringing breakthrough innovations to market, we enable healthcare professionals to deliver high-quality care, leading to the best possible outcome for patients.

Our portfolio, spanning from in-vitro and in-vivo diagnostics to image-guided therapy and innovative cancer care, is crucial for clinical decision-making and treatment pathways. With our strengths in patient twinning, precision therapy, as well as digital, data, and artificial intelligence (AI), we are well positioned to take on the biggest challenges in healthcare. We will continue to build on these strengths to help fight the world's most threatening diseases, improving the quality of outcomes, and enabling access to care.

We are a team of 66,000 highly dedicated employees across more than 70 countries passionately pushing the boundaries of what's possible in healthcare to help improve people's lives around the world.

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Product availability may vary from country to country and is subject to varying regulatory requirements. Please contact your local representative for availability.

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