

PRESS RELEASE

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Nemera is a world-leading provider of drug delivery device solutions and combination product services. Our mission of putting patients first drives us to design and manufacture devices that maximize treatment efficacy. From early device strategy to state-of-the-art manufacturing, we are committed to delivering the highest quality standards to our customers.

Nemera in figures:

€700 million in sales

3,300+ employees worldwide

7 manufacturing sites across 3 continents (North America, Europe, Latin America)

2 Innovation Centers

126 patent families supporting proprietary device platforms

60 Nemera devices used every second worldwide

400+ customers, with long-term partnerships exceeding 20 years with top customers

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SCHOTT Pharma and Nemera launch first fully compatible large- volume passive safety system with prefillable glass syringe

- **Seamless compatibility between SCHOTT Pharma's syriQ BioPure® 5.5 ml prefillable glass syringe and Nemera's Safe'n'Sound® passive safety system**
- **Designed for subcutaneous self-injection of large-volume and biologic therapies**
- **Joint system reduces integration risk and accelerates time-to-market**

SCHOTT Pharma, a pioneer in drug containment solutions and delivery systems, and Nemera, a world-leading provider of drug delivery device solutions and combination product services, have introduced the industry's first passive safety system featuring a 5.5 ml prefillable glass syringe. The solution addresses growing demand for large-volume drug delivery, driven by novel biologics, the shift from intravenous to subcutaneous administration, and the increasing adoption of homecare. Together, these trends are accelerating the need for integrated delivery systems that enable safe, reliable, and user-friendly self-administration. For pharmaceutical companies, the solution helps reduce development complexity through a pre-aligned delivery platform. The system will be on display for the first time at CPHI Milan, October 6-8 (hall 11, booth 11A25) as well as at PDA Palm Springs, October 6-7 (booth 822), and is already available for technical assessment, compatibility studies, and development programs.

“As more therapies move closer to the patient's home, the need for safe and reliable large-volume self-injection continues to grow. This collaboration with SCHOTT Pharma marks an important step forward, bringing together complementary expertise to deliver the first integrated safety system specifically designed for large-volume self-injection and support a better patient experience,” said Marc Hämel, CEO of Nemera.

“Built on our large-volume glass syringe platform and developed in close collaboration with Nemera, this integrated solution helps pharmaceutical companies reduce complexity, accelerate development, and bring innovative biologic therapies to patients faster,” said Christian Mias, CEO of SCHOTT Pharma.



The first fully compatible large-volume passive safety system from Nemera with prefillable glass syringe from SCHOTT Pharma is designed for subcutaneous self-injection of large-volume and biologic therapies.

Image: SCHOTT Pharma

An integrated system for large-volume therapies

Safe'n'Sound® 5.5 ml is the first passive safety system specifically engineered for large-volume subcutaneous injections using a prefillable glass syringe.

Building on SCHOTT Pharma's syriQ BioPure® 5.5 ml syringe platform, Nemera developed the integrated system in close collaboration with SCHOTT Pharma to ensure compatibility by design rather than through the adaptation of an existing safety device for a large-volume format.

The solution brings together SCHOTT Pharma's expertise in large-volume primary packaging with Nemera's capabilities in drug delivery and patient-centered device design. It is particularly suited for therapies requiring higher injection volumes, including treatments for autoimmune, neurological, cardiovascular, and oncological conditions.

As SCHOTT Pharma's first large-volume staked-needle prefillable glass syringe, syriQ BioPure® 5.5 ml extends the company's established syriQ BioPure® platform into the growing large-volume drug delivery segment. Specifically designed for sensitive biologics, the syringe combines high-quality drug containment with broad compatibility across delivery systems. Its advanced manufacturing process achieves ultra-low tungsten residuals, reducing drug-container interactions, and supporting the safe and reliable administration of high-value therapies.

Designed for safe and practical self-injection

The Safe'n'Sound® passive safety system was developed using a user-centered design approach and validated through dedicated human factors studies conducted on behalf of both companies. These studies involved both device-naïve and experienced users with varying levels of hand strength and dexterity, including individuals with hand weakness or limited dexterity, to reflect a broad range of real-world users.

Across multiple syringe configurations, needle options, and viscosity levels, all participants successfully administered the full dose and correctly activated the safety system, demonstrating excellent usability and ease of use.

In parallel, extensive technical compatibility and performance testing were conducted on the integrated solution. This verification included syringe-device compatibility, injection performance, safety-system activation, and other critical functional parameters. The results confirmed reliable interaction between the syringe and device, as well as robust performance across different use scenarios.

Together, the human factors validation and technical verification demonstrate that the Safe'n'Sound® system combined with SCHOTT Pharma's syriQ BioPure® syringe platform provides a reliable and user-friendly solution for self-administration. By combining proven usability with verified technical performance, the integrated system supports safe, convenient, and effective at-home treatment.

Reducing complexity and accelerating development

Beyond safety and usability, the integrated system supports faster development timelines for pharmaceutical companies. Its pre-aligned compatibility is supported by structured design verification, human factors data, and regulatory documentation, helping to reduce development risks and avoid late-stage integration challenges.

This streamlined approach enables smoother progression from development to clinical and commercial readiness, offering a clear advantage in the rapidly evolving landscape of large-volume biologics and advanced therapies.

The collaboration between SCHOTT Pharma and Nemera continues to expand, with ongoing compatibility testing on additional formats and configurations, extending the platform's applicability across a broader range of therapies.



Human factors validation and technical verification demonstrate that the Safe'n'Sound® system combined with SCHOTT Pharma's syriQ BioPure® syringe platform provides a reliable and user-friendly solution for self-administration. Image: Nemera

About SCHOTT Pharma

Human health matters. That is why SCHOTT Pharma designs containment solutions grounded in science to ensure that medications are safe and easy to use for people around the world. Every minute, more than 30,000 people receive an injection packed in a SCHOTT Pharma product. The portfolio comprises drug containment solutions and delivery systems for injectable drugs ranging from prefillable glass and polymer syringes to cartridges, vials, and ampoules. Every day, a team of around 4,800 people from over 65 nations works at SCHOTT Pharma to contribute to global health.

The company is represented in all main pharmaceutical hubs with 17 manufacturing sites in Europe, North and South America, and Asia. With over 1,000 patents and technologies developed in-house and a state-of-the-art R&D center in Switzerland, the company is focused on developing innovations for the future.

Currently, SCHOTT Pharma has over 1,800 customers including the top 30 leading pharma manufacturers for injectable drugs and generated revenue of EUR 986 million in the fiscal year 2025. SCHOTT Pharma AG & Co. KGaA is headquartered in Mainz, Germany and listed on the Frankfurt Stock Exchange as part of the SDAX. It is majority owned by SCHOTT AG, which is owned by the Carl Zeiss Foundation. In light of this spirit, SCHOTT Pharma is committed to sustainable development for society and the environment. Further information at www.schott-pharma.com

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