



2025 KNOWLEDGE-BASED HOME-STUDY CE FOR PHARMACISTS AND PHARMACY TECHNICIANS

HOW IT'S MADE: 503B PRODUCT INGREDIENTS AND STERILIZATION METHODS

Speaker: Kevin N. Hansen, PharmD, MS, BCSCP, Director, 503B Program, Pharmacy, Premier, Inc., Charlotte, NC

Pharmacist and Pharmacy Technician Learning Objectives

Upon completion of this knowledge-based CE activity, the participant will be able to do the following:

- Recognize differences between bulk drug substance (active pharmaceutical ingredient [API]) and sterile conventionally manufactured components used in 503B products and discuss how these ingredient choices impact product quality and safety
- Discuss the regulatory and quality assurance considerations of component selection and their impact on product stability
- Describe various sterilization methods applicable to 503B products and identify their advantages and limitations
- Identify key factors hospital pharmacies should consider when selecting 503B outsourcing partners for supply chain reliability

Accreditation Information:

ACPE UAN: 0122-0000-25-076-H07-P/T (Compounding CE)

CPE Credit Hours: 1.0 hours (0.1 CEU) of CE credit

Release Date: November 3, 2025

Expiration Date: November 3, 2028

Sponsorship: This program is conducted solely by Premier and has no commercial or non-commercial support or sponsorship.

To participate and obtain CE credit, participants must complete the following steps:

1. Log on to Premier's [CE website](#) to register for the activity under "Home Study CE"
2. View and listen to the recorded activity
3. Complete both the post-test learning assessment questions and the activity evaluation within 45 days of the event

[Click here](#) to view CE webinar system requirements for the learner to complete the online activity, including the internet browser(s) supported and minimum versions of each, and the minimum memory, storage, processor, and internet.

Note: CPE participation will be provided to CPE Monitor if the participant attains a passing grade of 70% or better on the post-test learning assessment questions. NABP e-profile ID number and birthdate (MMDD) must be provided by participants to receive CE credit.



Premier, Inc. is accredited by the Accreditation Council for Pharmacy Education as a provider of continuing pharmacy education. This CE activity is provided as a free, value-added service to Premier health- system pharmacy staff.

For any questions regarding the CE activity, please contact [Premier's Pharmacy Team](#).

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Kevin N. Hansen, PharmD, MS, BCSCP

Senior Director, Pharmacy Compounding Services
Premier, Inc.
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Speaker Bio:

Kevin N. Hansen, PharmD, MS, BCSCP is a distinguished expert in pharmaceutical compounding with over 15 years of experience in health-system pharmacy operations. He has a profound interest in patient safety and drug shortage mitigation, and he is renowned for his successful implementation of compounding technology and automation, particularly a centralized IV sterile compounding robot operation at a large health-system.

Dr. Hansen's expertise extends to designing cleanroom suites for USP <797> and <800> compliance, and he has designed over 10 such facilities. He is a board-certified expert in compounded sterile preparations through the Board of Pharmacy Specialties, and he completed a PGY1/PGY2 Health-System Pharmacy Administration and Leadership residency program at the University of North Carolina Medical Center. Dr. Hansen earned his Doctor of Pharmacy degree from Lake Erie College of Osteopathic Medicine (LECOM) and a Master of Science degree in Pharmaceutical Sciences with a specialization in health-system pharmacy administration from the UNC Eshelman School of Pharmacy.

In addition to his professional accomplishments, Dr. Hansen serves as adjunct faculty for the UNC Eshelman School of Pharmacy, where he imparts his knowledge and expertise to aspiring pharmacy leaders. He is also currently serving as an expert volunteer on the United States Pharmacopeia (USP) Compounding Expert Committee. Dr. Hansen is a proven leader and is passionate about leading multidisciplinary teams to achieve success in health-system pharmacy operations.