

## Pharmacy Calculations

**Release Date:** April 10, 2019

**Expiration Date:** April 10, 2022

**Activity Type:** Application-based

## Accreditation for Pharmacists and Pharmacy Technicians



The American Society of Health-System Pharmacists is accredited by the Accreditation Council for Pharmacy Education as a provider of continuing pharmacy education.

## Target Audience

This program is intended for pharmacy technicians and pharmacists engaging in safe and compliant sterile product preparation.

## Learning Objectives and Schedule of Activities

| Activity CE Information   | Title, Description, and Learning Objectives  |
|---|--|
| ACPE #:<br><b>0204-0000-19-726-H07-P</b><br><b>0204-0000-19-726-H07-T</b><br><br>CE Hours: <b>1.75</b><br>Activity Type: <b>Application</b> | <b>Title: Pharmacy Calculations</b><br><br>This activity covers calculations routinely used by pharmacy personnel when compounding sterile preparations.<br><br><b>Learning Objectives:</b> <ul style="list-style-type: none"> <li>• Calculate doses in both weight and volume using ratios, proportions, and concentrations.</li> <li>• Practice conversions commonly used in sterile compounding calculations.</li> <li>• Apply the alligation method to calculate parts of two solutions with different concentrations to compound a solution with a different desired concentration.</li> <li>• Calculate infusion times in mL/hr and mL/min.</li> <li>• Select quantity of dosage units required to supply an order for a specified number of days or weeks.</li> </ul> |

## Faculty Information

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## Disclosures

In accordance with the ACPE's and ACCME's Standards for Commercial Support, anyone in a position to control the content of an educational activity is required to disclose to the accredited provider their relevant financial relationships. In accordance with these Standards, all potential conflicts of interests have been resolved. *An individual has a **relevant financial relationship** if he or she (or spouse/domestic partner) has a financial relationship*

## CE Activity Announcement

*in any amount occurring in the last 12 months with a commercial interest whose products or services are discussed in the activity content over which the individual has control.*

As defined by ACCME, a **commercial interest** is any entity producing, marketing, re-selling, or distributing health care goods or services consumed by, or used on, patients. The Standards for Commercial Support do not consider providers of clinical service directly to patients to be commercial interests.

- All planners, presenters, reviewers, and ASHP staff report no financial relationships relevant to this activity.

### Methods and CE Requirements

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This online activity consists of a combined total of 14 learning modules. Pharmacists and pharmacy technicians are eligible to receive a total of 29.00 hours of continuing education credit by completing all 14 modules within this certificate program.

Participants must participate in the entire activity, complete the evaluation and all required components to claim continuing pharmacy education credit online at ASHP eLearning Portal. Follow the prompts to claim credit and view your statement of credit within 60 days after completing the activity.

#### **Important Note – ACPE 60 Day Deadline:**

Per ACPE requirements, CPE credit must be claimed within 60 days of being earned – no exceptions! To verify that you have completed the required steps and to ensure your credits have been reported to CPE Monitor, we encourage you to check your NABP eProfile account to validate your credits were transferred successfully before the ACPE 60-day deadline. After the 60 day deadline, ASHP will no longer be able to award credit for this activity.

### System Technical Requirements

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System Requirements Courses and learning activities are delivered via your Web browser and Acrobat PDF. Users should have a basic comfort level using a computer and navigating web sites.

View the [minimum technical and system requirements](#) for learning activities.