# Welcome



The standard of trust

## **Open Forum Session**

# Proposed Revisions to USP General Chapter (795) Pharmaceutical Compounding – Nonsterile Preparations

**January 12, 2022** 10:00 AM - 12:00 PM EDT

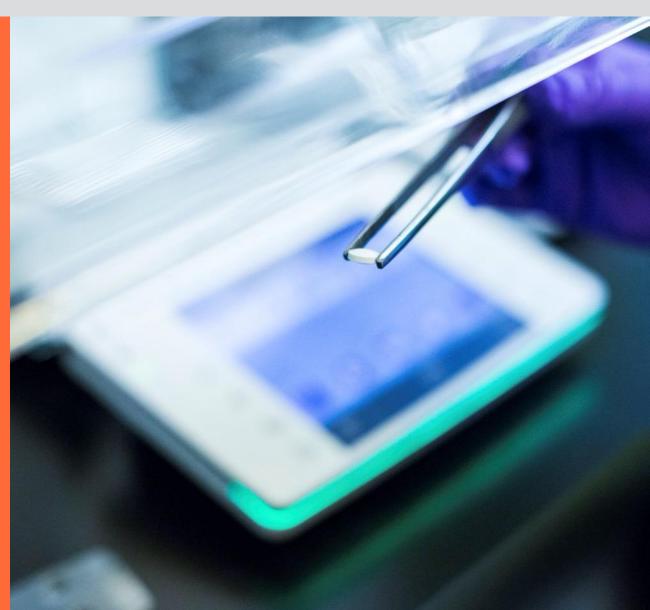


## General Chapter (795) Open Forum



#### **NOTICE TO PARTICIPANTS:**

- ▶ To minimize background noise, all lines will be muted upon joining the session
- During the meeting, you may ask questions at any time by using the Q&A function
  - Select the Q&A icon on the bottom righthand column of your WebEx view page
  - Use the text box at the bottom to enter your question, and hit send
- Questions will be collated for the Q&A portion of the session



## General Chapter (795) Open Forum



#### **NOTICE TO PARTICIPANTS:**

▶ Please note this session is currently being recorded and will be made available on USP's website at <a href="http://www.usp.org/compounding/gener-al-chapter-795">http://www.usp.org/compounding/gener-al-chapter-795</a>

#### Disclaimer

- This open forum is for informational purposes only
- All comments must also be submitted via the public comment form



## Agenda



| Session Overview                          | Speakers   |   |               |
|---|--|---|---------------|
| Welcome                                   | Blaine Groat   | , Senior Scientist, Personalized Medicin                  | es            |
| USP Overview                              |  |   |               |
| Background                                |  |   |               |
| Overview of Revised General Chapter (795) | Brenda Jens  | en, Chair, Compounding Expert Commit                      | ttee          |
| Pharmaceutical Compounding – Nonsterile   | Gus Bassani  | , Chair, (795) Subcommittee                               |               |
| Preparations                              |  |   |               |
| Supplementary Materials                   |  |   |               |
| Submitting Comments                       | Blaine Groat   | , Senior Scientist, Personalized Medicin                  | <b>A</b> S    |
| Next Steps                                | Diamic Groat, Octilor Golomas, i Craomanizea Medicines |   |               |
| Question & Answer Session                 | Moderator:   | Blaine Groat, Senior Scientist,<br>Personalized Medicines |               |
| Quodion a / mower occordin                | Panelists:   | Compounding Expert Committee                              | 5<br>2021 USP |

## **USP Overview**



### The 2020 – 2025 Council of Experts



**Biologics** 

Small Molecules

**Excipients** 

General Chapters Healthcare Quality & Safety & Herbal Medicines, Food Ingredients



Biologics Monographs 1-Peptides & Oligonucleotides Michael De Felippis

Biologics Monographs 2-Proteins

Wendy Saffell-Clemmer

Biologics Monographs 3-Complex Biologics & Vaccines Earl Zablackis

Biologics Monographs 4-Antibiotics Matthew Borer

Biologics Monographs 5-Advanced Therapies Mehrshid Alai



Small Molecules 1 Mary Seibel

Small Molecules 2
Justin Pennington

Small Molecules 3 Eric Kesslen

Small Molecules 4 Kim Huynh-Ba

Small Molecules 5 Amy Karren

Over-the-Counter (OTC) Methods & Approaches Raphael Ornaf



Simple Excipients Eric Munson

Complex Excipients
Otilia Koo

Excipients Test Methods Chris Moreton



General Chapters-Dosage Forms
Martin Coffey

General Chapters-Chemical Analysis Nancy Lewen

General Chapters-Microbiology Donald Singer

> General Chapters-Packaging & Distribution Renaud Janssen

General Chapters-Measurement & Data Quality Jane Weitzel

General Chapters-Statistics Charles Tan

> General Chapters-Physical Analysis Xiaorong He



Nomenclature & Labeling Stephanie Crawford

Healthcare Safety & Quality Melody Ryan

> Compounding Brenda Jensen

Healthcare Information & Technology Jeanne Tuttle



Botanical Dietary Supplements & Herbal Medicines Robin Marles

> Non-botanical Dietary Supplements Guido F Pauli

Dietary Supplements Admission Evaluation & Labeling Tieraona Low Dog

> Food Ingredients Jon DeVries

## 2020 – 2025 Compounding Expert Committee



**Chair:** Brenda Jensen, MBA, Owner and Compounding Pharmacy Consultant, Compounding Consultants, LLC **Vice Chair:** Robert Shrewsbury, Ph.D., Associate Professor, UNC Eshelman School of Pharmacy

| EC Member                            | Affiliation   |
|--------------------------------------|---|
| Lisa Ashworth, B.S. Pharm.           | Compounding Specialist and Clinical Pharmacist, Children's Health System of Texas |
| Phil Ayers, Pharm.D.                 | Chief, Clinical Pharmacy Services, Mississippi Baptist Medical Center             |
| Gus Bassani, Pharm.D.                | Chief Scientific Officer, PCCA  |
| Suzanne Blevins, B.Sc.               | Laboratory Director, Aerobiology Laboratory                                       |
| Brett Cordes, DVM                    | Veterinarian, Private Practice  |
| Gigi Davidson, B.S. Pharm.           | Veterinary Pharmacy Consultant, VetPharm Consulting, LLC                          |
| Edmund Elder, Ph.D., B.S. Pharm.     | Director, Zeeh Pharmaceutical Experiment Station, University of Wisconsin-Madison |
| Kevin Hansen, Pharm.D., MS           | Assistant Director of Pharmacy, Cone Health                                       |
| Patricia Kienle, MPA, B.S. Pharm.    | Director, Accreditation and Medication Safety, Cardinal Health                    |
| Vanessa Pinheiro, M.S., B.S. Pharm.  | Pharmacist and Consultant, Medisca and LP3 Network                                |
| Elizabeth Rebello, M.D., B.S. Pharm. | Professor and Anesthesiologist, University of Texas MD Anderson Cancer Center     |
| Rick Rhoads, Pharm.D.                | Director of Compounding, University Compounding Pharmacy                          |
| Connie Sullivan, B.S. Pharm.         | President and CEO, National Home Infusion Association                             |

#### How we work



#### **Stakeholders**

USP actively seeks engagement with stakeholders throughout the standard-setting process through stakeholder meetings, advisory roundtables, and open-microphone webinars.

**Healthcare Practitioners** 

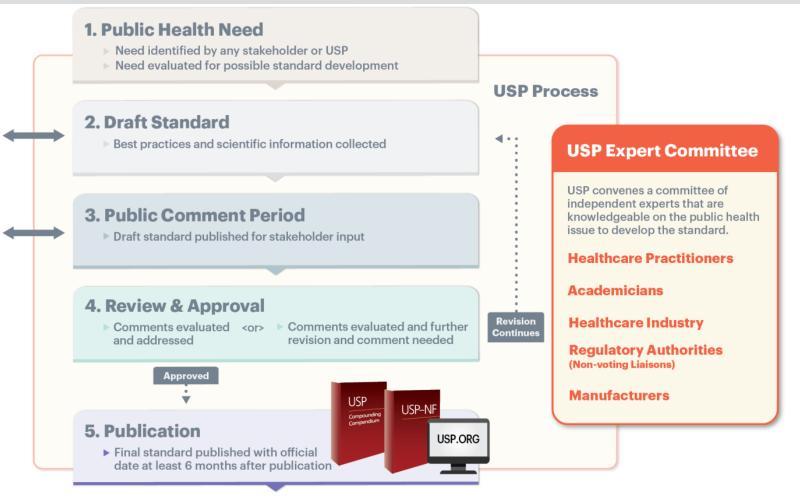
**Patients** 

**Academicians** 

**Healthcare Industry** 

**Regulatory Authorities** 

**Manufacturers** 



#### **Stakeholder Implementation**

Regulatory Authorities, State Practice Boards, Healthcare Industry, Healthcare Practitioners and other stakeholders utilize USP Healthcare Quality & Safety standards within their specific authority to help ensure public health.

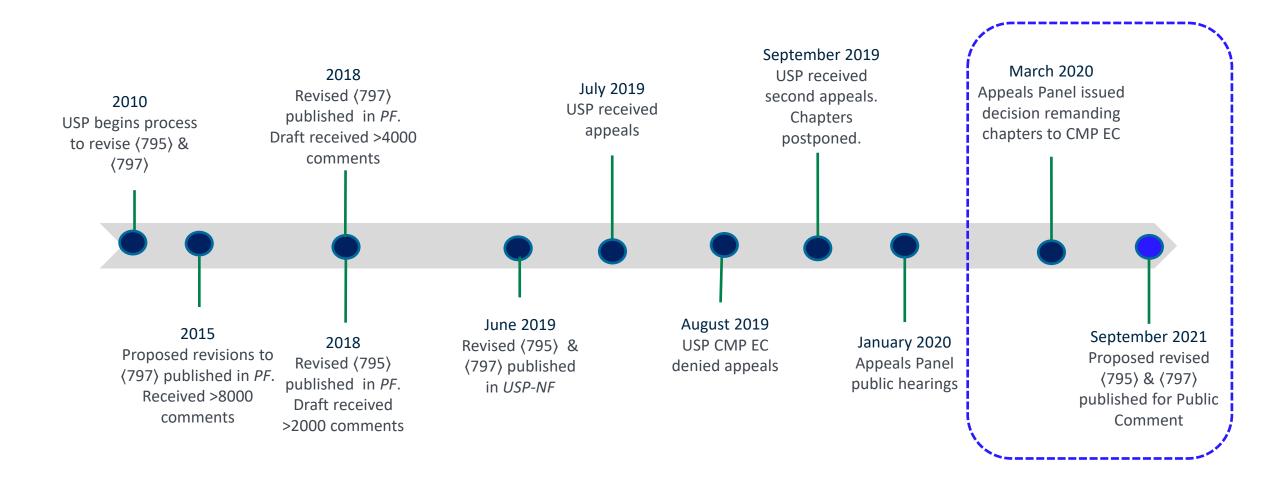
## History of (795)



- First Nonsterile Compounding Standard
  - USP (1161) Pharmacy Compounding Practices (1996)
- General Chapter (795)
  - Published in USP 24-NF 19 (2000)
  - Revised in USP 27-NF 22 (2004)
  - Revised in USP 34-NF 29 (2011)
    - Incorporated USP (1075) Good Compounding Practices
  - Revision Bulletin (2014)
    - Clarified that the BUDs in (795) are specific for nonsterile preparations and do not apply to sterile preparations
    - CURRENTLY OFFICIAL

## **History of Revisions and Appeals**





## Approach to Revisions after the Appeals



- ► The Appeals Panel held public hearings in January 2020 regarding the proposed ⟨795⟩ chapter
  - The Appeals Panel remanded the proposed chapter to the Compounding Expert Committee (CMP EC) with a recommendation for further engagement on the issues raised by stakeholders, particularly concerning beyond-use date (BUD) provisions
  - The Appeals Panel did not determine the chapters to require revision, but noted that the issues raised in the appeals warranted additional dialogue and consideration
  - It was left to the purview of the CMP EC to determine the appropriateness of future revisions to the chapter, if any

## Approach to Revisions after the Appeals



- Stakeholder Engagement
  - Reviewed feedback, including PF public comments and issues raised in the appeals
  - Held stakeholder semi-structured interviews (May 2020)
  - Roundtable session (July 28, 2020)
  - Open forum (September 15, 2020)
- Identified key stakeholder engagement discussion topics as a framework
- Also had general considerations throughout the review process
  - Scientifically robust, risk-based approach to assigning BUDs
  - Physical and chemical stability considerations
  - Operational implications
  - Balancing the need for patient access to cost-effective CNSPs with rigorous quality standards
  - Implications on regulatory oversight and enforcement

# Overview of Revised General Chapter (795) *Pharmaceutical Compounding – Nonsterile Preparations*



## **Purpose of Current Revision**



#### Proposal of Current Revision

- To review latest science and best practices
- To respond to stakeholder input received throughout the last cycle and after the 2019 appeals
- To clarify topics that are frequently queried and misconstrued
- To align with published (800) and revision efforts for (797)

## ► Current (795) and 2019's Remanded Revisions Served as Templates for this Revision

- Many sections were "summary" statements and were expanded to add clarity and additional information
- Revision proposal was modeled alongside current revision efforts for (797)

#### Inclusion of Supplementary Materials

## (795) Overview



#### **Proposed Chapter Outline**

- ▶ 1. Introduction and Scope
- ▶ 2. Personnel Training and Evaluation
- 3. Personal Hygiene and Garbing
- 4. Buildings and Facilities
- 5. Cleaning and Sanitizing
- ▶ 6. Equipment and Components
- 7. Master Formulation and Compounding Records
- ▶ 8. Release Inspections
- ▶ 9. Labeling
- ▶ 10. Establishing Beyond-Use Dates

- ▶ 11. SOPs
- ▶ 12. Quality Assurance and Quality Control
- ▶ 13. CNSP Packaging and Transporting
- ▶ 14. Complaint Handling and Adverse Event Reporting
- ▶ 15. Documentation
- Glossary



#### Section 1. Introduction and Scope

- Scope
  - Added information on types of Compounded Nonsterile Preparations (CNSPs)
- Hazardous Drugs
  - Removed all information on handling of hazardous drugs and added references to General Chapter (800) Hazardous Drugs – Handling in Healthcare Settings
- Affected Personnel and Settings
  - Added roles and responsibility of the designated person
    - Designated person = one or more individual responsible and accountable for the performance and operation of the facility and personnel





#### **Section 2. Personnel Training and Evaluation**

- Added guidance on training and core competencies
- Included steps in training procedures

#### Section 3. Personal Hygiene and Garbing

- Added Box on Hand Hygiene Procedures
- Included description of garb and glove requirements
  - Gloves are required for all compounding activities
  - Other garb must be used as appropriate for the type of compounding



#### Section 4. Buildings and Facilities

- Added requirement for a designated space for nonsterile compounding
- Area must be designed and controlled to provide well-lighted comfortable conditions for garbed personnel
- Surfaces in a compounding area must be cleanable and clean

#### **Section 5. Cleaning and Sanitizing**

- New table on minimum frequencies of cleaning and sanitizing surfaces in the nonsterile compounding areas, including
  - Floors
  - Walls
  - Ceilings
  - Storage Shelving





#### Section 6. Equipment and Components

- Any weighing, measuring, or other manipulation of an API or added substance in powder form that can generate airborne contamination from drug particles must occur inside a containment device (i.e., powder containment hood).
  - Containment Ventilated Enclosure (CVE) must be cleaned
  - CVE must be certified annually

#### Components

- APIs must be manufactured by an FDA-registered facility
  - Each API must be accompanied by a valid COA
- Ingredients other than APIs should be obtained from an FDA-registered facility
- Packages of ingredients that lack vendor expiration must not be used after 1 year from the date of receipt





#### Section 7. Master Formulation And Compounding Records

▶ Boxes include required elements of Master Formulation Record and Compounding Record

#### **Section 8. Release Inspections**

- Confirm CNSP and labeling match Compounding Records
- Visual inspections to determine if physical appearance is as expected
- Other tests to ensure quality (e.g., pH, assays)

#### Section 9. Labeling

- Requirements for labels (labeling on immediate container)
- Requirements for labeling (all matter on container or in package or wrapper)



#### Section 10. Establishing Beyond-Use Dates

- Terminology
  - Expiration Date applies to conventionally manufactured drug products
  - BUD applies to CNSPs calculated in terms of hours, days, or months
- Parameters to consider
  - Water activity (a<sub>w</sub>)
  - Chemical and physical stability
  - Compatibility of container closure system
  - Degradation of container closure system
  - Potential for microbial proliferation
  - Deviations from essential compounding steps and procedures



#### Section 10. Establishing Beyond-Use Dates

BUD Limit by Type of Preparation in the <u>Absence</u> of a *USP-NF* Compounded Preparation Monograph or CNSP-Specific Stability Information

| Type of Preparation                             | BUDs (days)                                | Storage Temperature <sup>a</sup>            |
|---|--|---|
| Aqueo   | us Dosage Forms ( <i>a<sub>w</sub></i> ≥ 0 | 0.6)  |
| Non-preserved aqueous dosage forms <sup>b</sup> | 14   | Refrigerator                                |
| Preserved aqueous dosage forms b                | 35   | Controlled room temperature or refrigerator |
| Nonaque   | eous Dosage Forms ( $a_w$ <                | < 0.6)                                      |
| Oral liquids (nonaqueous) <sup>c</sup>          | 90   | Controlled room temperature or refrigerator |
| Other nonaqueous dosage forms d                 | 180  | Controlled room temperature or refrigerator |

a See Packaging and Storage Requirements (659).

b An aqueous preparation is one that has an  $a_w$  of  $\ge 0.6$  (e.g., emulsions, gels, creams, solutions, sprays, or suspensions).

c A nonaqueous liquid is one that has an  $a_{w}$  of < 0.6.

d Capsules, tablets, granules, powders, nonaqueous topicals, suppositories, troches.



| Nonaqueous Dosage Forms: $a_w < 0.60$ |   |                      | Aqueous Dosage Forms: <i>a<sub>w</sub></i> ≥ 0.60 |  |                      |  |
|---------------------------------------|---|----------------------|---|--|----------------------|--|
| Dosage Form                           | Description   | $\boldsymbol{a}_{w}$ | Dosage Form                                       | Description  | $\boldsymbol{a}_{w}$ |  |
| Animal treat                          | Animal treat (oil flavor)   | 0.507                | Animal treat                                      | Animal treat with 15%-18% aqueous flavor               | 0.716                |  |
| Capsule (oil filled)                  | Olive oil encapsulated  | 0.468                | Cream   | Cream vehicle (oil in water emulsion, petrolatum free) | 0.968                |  |
| Capsule (powder filled)               | Powder base encapsulated  | 0.435                | Cream   | Emollient cream (petrolatum and mineral oil)           | 0.984                |  |
| Gel (glycol based)                    | Propylene glycol, ethoxy diglycol, or hydroxypropyl cellulose gel | 0.056                | Cream   | Cream (oil in water emulsion with natural oils)        | 0.989                |  |
| Lollipop                              | Lollipop  | 0.460                | Foam  | Foaming surfactant solution                            | 0.983                |  |
| Ointment                              | Hydrophilic petrolatum  | 0.396                | Gel (water based)                                 | Alcohol-free aqueous gel                               | 0.990                |  |
| Ointment                              | Polyethylene and mineral oil gel base                             | 0.459                | Gel (water based)                                 | Hydroxypropyl methylcellulose (HPMC) gel               | 1.000                |  |
| Oral solution (glycol based)          | 20% Polyethylene glycol and 80% propylene glycol                  | 0.009                | Lotion  | Lotion (oil in water emulsion)                         | 0.986                |  |
| Oral solution (oil based)             | Medium chain triglycerides oil                                    | 0.338                | Nasal spray                                       | Nasal spray  | 0.991                |  |
| Oral suspension (fixed oil)           | Fixed oil with thickener  | 0.403                | Oral solution (water based)                       | Low sucrose syrup vehicle                              | 0.906                |  |
| Powder for inhalation                 | Encapsulated powder for inhalation                                | 0.402                | Oral solution (water based)                       | 90% Water and<br>10% glycerin                          | 0.958                |  |
| Stick                                 | Lip balm  | 0.181                | Oral suspension (water based)                     | Oral suspension base                                   | 0.992                |  |
| Suppository                           | Polyethylene glycol base  | 0.374                | Rinse   | Polymer gel with 30% water                             | 0.960                |  |
| Suppository                           | Fatty acid base   | 0.385                | Shampoo   | Shampoo  | 0.976                |  |
| Tablet (compressed)                   | Compressed tablet   | 0.465                | Simple syrup                                      | Simple syrup   | 0.831                |  |
| Tablet (triturate)                    | Tablet triturate (lactose and/or sucrose)                         | 0.427                | -   | -  | -                    |  |
| Troche (gelatin)                      | Gelatin troche with NMT 3% aqueous flavor                         | 0.332                | -   | -  | <u>2</u> 5           |  |
| Troche (glycol based)                 | Polyglycol troche with NMT 3% aqueous flavor                      | 0.571                | -   | -<br>©   | 2021 USP             |  |



#### Section 10. Establishing Beyond-Use Dates

- In the **Presence** of CNSP-Specific Stability Information
  - BUD may be extended up to a maximum of 180 days
  - Stability-indicating analytical method for the specific API, CNSP, and type of container closure that will be used
  - An aqueous CNSP must first be tested for (51) antimicrobial effectiveness at the end of the proposed BUD
    - Bracketing can be utilized to provide flexibility
  - If compounding from a USP-NF compounded preparation monograph, BUD must not exceed the BUD specified in the monograph
- Shorter BUDs May be Required
  - If components have an earlier expiration date or BUD
  - If ingredients are known to be susceptible to decomposition

## **Supplementary Materials**



## (795) Supplementary Materials



#### DISCLAIMER

- These supplemental documents are <u>not part of the proposed chapters</u>, are <u>not</u>
   <u>comprehensive overviews</u> of the proposed chapters, and are <u>not intended to be used in place</u> of the proposed chapters
- These documents do not reflect the CMP EC's opinions on further revisions to the chapters
- These documents are <u>not intended to be subject to public comment</u>
  - Stakeholders are encouraged to submit comments on the proposed chapters for the CMP EC to continue to evaluate revisions to the chapters
  - The CMP EC will consider all comments received on the chapters
- Please note that <u>neither the proposed chapters nor these documents are official United</u>
   <u>States Pharmacopeia National Formulary (USP–NF) text</u>, and they are not intended to be enforceable by regulatory authorities
  - Users must refer to the USP–NF for official text

## (795) Supplementary Materials



- ▶ BUD Reference for the 2021 Proposed Revisions to ⟨795⟩
  - Resource for assigning proposed BUDs
- ▶ CMP EC Responses to Stakeholder Engagement Themes for the 2021 Proposed Revisions to ⟨795⟩
  - Responses and proposed chapter revisions made based on stakeholder engagement
- ▶ BUD Scientific Rationale for the 2021 Proposed Revisions to ⟨795⟩
  - Evolution of USP's BUD standards for compounded preparations
  - Rationale for the proposed BUD limits
- ▶ Stability Study Reference Document for the 2021 Proposed Revisions to ⟨795⟩ and ⟨797⟩
  - Explanation of the details and purpose of stability studies
  - Resources for conducting a study
- All supplementary resources are posted online with the proposed chapters
  - https://go.usp.org/Proposed\_2021\_Revisions\_795\_797

## **Submitting Comments**



## **Submitting Comments**



- ▶ All information related to ⟨795⟩ is on the USP Compounding Page
  - http://www.usp.org/compounding/generalchapter-795
- The proposed chapters and supplementary materials are posted online at
  - https://go.usp.org/Proposed\_2021\_Revisio ns\_795\_797
- ► The ⟨795⟩ electronic submission form is at
  - https://usp.az1.qualtrics.com/jfe/form/SV\_3OBK7VUbvver6zs





## Link to the public comment form can also be found in the briefing statement of the chapter

#### BRIEFING

(795) Pharmaceutical Compounding—Nonsterile Preparations. To improve clarity and respond to stakeholder input, the Compounding Expert Committee proposes to revise this chapter with the following major edits:

- 1. Expand guidance for assigning beyond-use dates (BUDs) for compounded nonsterile preparations (CNSPs) in the absence of stability information.
- 2. Elaborate on the role of water activity  $(a_{uv})$  in determining BUD limits for preparations.
- 3. Add a table of commonly compounded dosage forms and their respective  $a_w$  values to aid compounders in determining BUD limits for CNSPs.
- 4. Clarify the requirements for identifying the need for a recall and related procedures.

A copy of this proposal and additional supplementary materials are posted online <a href="here">here</a>.

Please submit comments using the electronic submission form <a href="here">here</a>.

Additionally, minor editorial changes have been made to update this chapter to current USP style.



#### Public Comments requested through the electronic submission form



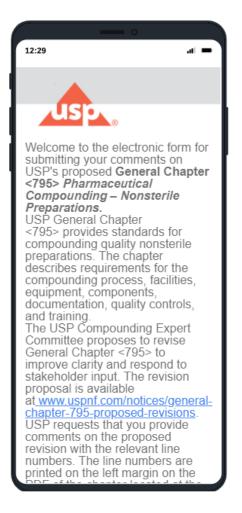
Welcome to the electronic form for submitting your comments on USP's proposed **General Chapter <795>** Pharmaceutical Compounding – Nonsterile Preparations.

USP General Chapter <795> provides standards for compounding quality nonsterile preparations. The chapter describes requirements for the compounding process, facilities, equipment, components, documentation, quality controls, and training.

The USP Compounding Expert Committee proposes to revise General Chapter <795> to improve clarity and respond to stakeholder input. The revision proposal is available at <a href="https://www.uspnf.com/notices/general-chapter-795-proposed-revisions">www.uspnf.com/notices/general-chapter-795-proposed-revisions</a>.

If you have any questions, please email <a href="mailto:CompoundingSL@usp.org">CompoundingSL@usp.org</a>.

| Please enter yo | our contact infor | rmation |
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| Title           |                   |         |
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I am submitting these comments on behalf of:

Myself

My Organization

Please indicate the type of comments you have for General Chapter <795>.

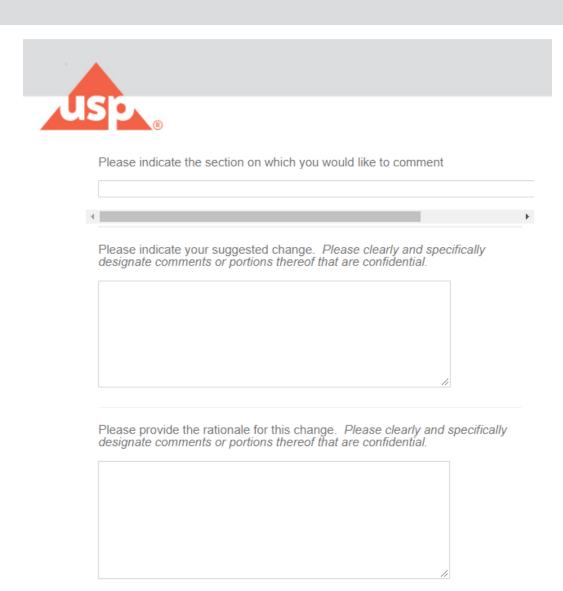
- Specific Comments Please select this option if you have comments about a specific section. You will have the opportunity to submit multiple comments in this form.
- General Comments Please select this option if you have comments that do not correspond to a specific section.

If you have both specific and and general comments, please check both boxes. Please clearly and specifically designate comments or portions thereof that are confidential.

Specific Comments

General Comments







Please indicate the section on which you would like to comment

| 2. PERSONNEL TRAINING AND EVALUATION 3. PERSONAL HYGIENE AND GARBING 3.1. Personnel Preparation 3.2. Hand Hygiene 3.3. Garb and Glove Requirements 4. BUILDINGS AND FACILITIES 4.1. Compounding Space 4.2. Storage Area 4.3. Water Sources 5. CLEANING AND SANITIZING 6. EQUIPMENT AND COMPONENTS 6.1. Equipment 6.2. Components 7. MASTER FORMULATION AND COMPOUNDING RECORDS 7.1. Creating Master Formulation Records 7.2. Creating Compounding Records            |   | ~ |
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| 3.3. Garb and Glove Requirements 4. BUILDINGS AND FACILITIES 4.1. Compounding Space 4.2. Storage Area 4.3. Water Sources 5. CLEANING AND SANITIZING 6. EQUIPMENT AND COMPONENTS 6.1. Equipment 6.2. Components 7. MASTER FORMULATION AND COMPOUNDING RECORDS 7.1. Creating Master Formulation Records 7.2. Creating Compounding Records  | 3.1. Personnel Preparation                    |   |
| 4. BUILDINGS AND FACILITIES 4.1. Compounding Space 4.2. Storage Area 4.3. Water Sources 5. CLEANING AND SANITIZING 6. EQUIPMENT AND COMPONENTS 6.1. Equipment 6.2. Components 7. MASTER FORMULATION AND COMPOUNDING RECORDS 7.1. Creating Master Formulation Records 7.2. Creating Compounding Records   | 3.2. Hand Hygiene                             |   |
| 4.1. Compounding Space 4.2. Storage Area 4.3. Water Sources 5. CLEANING AND SANITIZING 6. EQUIPMENT AND COMPONENTS 6.1. Equipment 6.2. Components 7. MASTER FORMULATION AND COMPOUNDING RECORDS 7.1. Creating Master Formulation Records 7.2. Creating Compounding Records   | 3.3. Garb and Glove Requirements              |   |
| 4.2. Storage Area 4.3. Water Sources 5. CLEANING AND SANITIZING 6. EQUIPMENT AND COMPONENTS 6.1. Equipment 6.2. Components 7. MASTER FORMULATION AND COMPOUNDING RECORDS 7.1. Creating Master Formulation Records 7.2. Creating Compounding Records  | 4. BUILDINGS AND FACILITIES                   |   |
| 4.3. Water Sources 5. CLEANING AND SANITIZING 6. EQUIPMENT AND COMPONENTS 6.1. Equipment 6.2. Components 7. MASTER FORMULATION AND COMPOUNDING RECORDS 7.1. Creating Master Formulation Records 7.2. Creating Compounding Records  | 4.1. Compounding Space                        |   |
| 5. CLEANING AND SANITIZING 6. EQUIPMENT AND COMPONENTS 6.1. Equipment 6.2. Components 7. MASTER FORMULATION AND COMPOUNDING RECORDS 7.1. Creating Master Formulation Records 7.2. Creating Compounding Records   | 4.2. Storage Area                             |   |
| 6. EQUIPMENT AND COMPONENTS 6.1. Equipment 6.2. Components 7. MASTER FORMULATION AND COMPOUNDING RECORDS 7.1. Creating Master Formulation Records 7.2. Creating Compounding Records  | 4.3. Water Sources                            |   |
| 6.1. Equipment 6.2. Components 7. MASTER FORMULATION AND COMPOUNDING RECORDS 7.1. Creating Master Formulation Records 7.2. Creating Compounding Records  | 5. CLEANING AND SANITIZING                    |   |
| 6.2. Components 7. MASTER FORMULATION AND COMPOUNDING RECORDS 7.1. Creating Master Formulation Records 7.2. Creating Compounding Records   | 6. EQUIPMENT AND COMPONENTS                   |   |
| 7. MASTER FORMULATION AND COMPOUNDING RECORDS 7.1. Creating Master Formulation Records 7.2. Creating Compounding Records   | 6.1. Equipment                                |   |
| 7.1. Creating Master Formulation Records 7.2. Creating Compounding Records   | 6.2. Components                               |   |
| 7.2. Creating Compounding Records  | 7. MASTER FORMULATION AND COMPOUNDING RECORDS |   |
| 7.2. Creating Compounding Records  | 7.1. Creating Master Formulation Records      |   |
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|  | 8. RELEASE INSPECTIONS                        | - |
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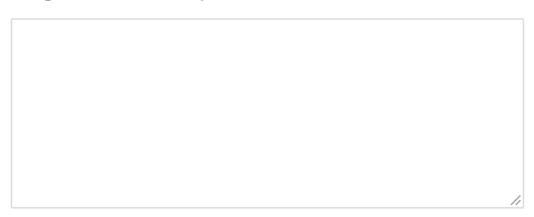
Do you have additional specific comments you would like to share?

| Yes |  |  |  |  |
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Please provide your general comments. Please clearly and specifically designate comments or portions thereof that are confidential.







Thank you for submitting your comments on General Chapter <795>.



## **Next Steps**



## (795) Revision Proposal



#### **Next Steps**

- ▶ Stakeholders submit comments for the chapters by January 31, 2022, using the electronic forms
  - The Compounding Expert Committee will review <u>all comments</u> as they consider revisions to the chapters
  - Comments will be addressed through <u>commentary</u> posted on the USP website
- ▶ Sign up for updates to ⟨795⟩, ⟨797⟩, and other topics related to USP Healthcare Quality and Safety Standards
  - https://www.usp.org/hqs-signup-form
- Attend the Compounding Expert Committee's Official Meetings
  - https://www.usp.org/eventstraining/search?type%5B0%5D=event\_types%3AExpert%20Committee/Panel%20Meeting

# Question and Answer Session



## 2020 – 2025 Compounding Expert Committee



| EC Member                               | Affiliation   |  |
|---|---|--|
| Brenda Jensen, MBA                      | Owner and Compounding Pharmacy Consultant, Compounding Consultants, LLC           |  |
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| Lisa Ashworth, B.S. Pharm.              | Compounding Specialist and Clinical Pharmacist, Children's Health System of Texas |  |
| Phil Ayers, Pharm.D.                    | Chief, Clinical Pharmacy Services, Mississippi Baptist Medical Center             |  |
| Gus Bassani, Pharm.D.                   | Chief Scientific Officer, PCCA  |  |
| Suzanne Blevins, B.Sc.                  | Laboratory Director, Aerobiology Laboratory                                       |  |
| Brett Cordes, DVM                       | Veterinarian, Private Practice  |  |
| Gigi Davidson, B.S. Pharm.              | Veterinary Pharmacy Consultant, VetPharm Consulting, LLC                          |  |
| Edmund Elder, Ph.D., B.S. Pharm.        | Director, Zeeh Pharmaceutical Experiment Station, University of Wisconsin-Madison |  |
| Kevin Hansen, Pharm.D., MS              | Assistant Director of Pharmacy, Cone Health                                       |  |
| Patricia Kienle, MPA, B.S. Pharm.       | Director, Accreditation and Medication Safety, Cardinal Health                    |  |
| Vanessa Pinheiro, M.S., B.S. Pharm.     | Pharmacist and Consultant, Medisca and LP3 Network                                |  |
| Elizabeth Rebello, M.D., B.S. Pharm.    | Professor and Anesthesiologist, University of Texas MD Anderson Cancer Center     |  |
| Rick Rhoads, Pharm.D.                   | Director of Compounding, University Compounding Pharmacy                          |  |
| Connie Sullivan, B.S. Pharm.            | President and CEO, National Home Infusion Association                             |  |
| Alan Parr, Pharm.D., Ph.D. (advisor)    | Director of Biopharmaceutics, BioCeutics, LLC                                     |  |
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# Thank You



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