be made as to whindicated with an reference to the interest of	whether the son X in the BC respective proposed biologyforum web site Trum.org/Forum PMF are incompleted by the bologyforum on the bologyforum proposed Type monograph monograph monograph monograph monograph monograph	sals of the various specific proposal mage column. Remember pharmacopeial for pui/indian-pharmachint/2025/index.htm deos are designed to norg/Articles White raining Tab [https://	forums often akes a reference that no ended in doubt copoeia of the second second in the second in t	en rely on linkages to general chapters, at times guesses based of prence to microbiological requirements. When such a guess has guarantees are made relative to completeness of this update, an et. BP: https://www.pharmacopoeia.com EP: https://pharmeuror.P: https://www.pmrj.jp/eng/02/jpf contents.html USP: https://w. A hyperlink in the Sidecar column indicates that there is a YouTh the provoking, as per the white paper "Critical Scientific Thinking and SOPs.pdf. Side cars will be addegyforum.org/Training.html], and via online PMF Forum postings [Synopsis [requirements or description] The concentrate complies with the requirements for Concentrates for Injections or Infusions stated under Parenteral Preparations and with the following requirements. Where appropriate, the concentrate also complies with the requirements stated under Unlicensed Medicines. Brimonidine Eye Drops are a sterile solution of Brimonidine Tartrate. Clarithromycin for Infusion is a sterile material consisting of Clarithromycin with or without excipients. It is supplied in a sealed container. The contents of the sealed container comply with the requirements	been mode you sopaled of your specific to be with the wind specific to be wind specific to be with the wind specific to be wind specifications. The wind specific to be wind specific to be wind specifications and the wind specific to be wind specific	nade, this is should make am.eu/home Ip.org. WHO: eo associated and "Sidecars odically and lis
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Compendium BP m BP m	Proposal Type monograph monograph monograph monograph	Title Copper Sulfate Sterile Concentrate Brimonidine Eye Drops Clarithromycin for	New[N] / Revised[R] N	The concentrate complies with the requirements for Concentrates for Injections or Infusions stated under Parenteral Preparations and with the following requirements. Where appropriate, the concentrate also complies with the requirements stated under Unlicensed Medicines. Brimonidine Eye Drops are a sterile solution of Brimonidine Tartrate. Clarithromycin for Infusion is a sterile material consisting of Clarithromycin with or without excipients. It is supplied in a sealed container.	BG	Side Car
BP m	monograph monograph monograph	Copper Sulfate Sterile Concentrate Brimonidine Eye Drops Clarithromycin for	Revised[R] N	The concentrate complies with the requirements for Concentrates for Injections or Infusions stated under Parenteral Preparations and with the following requirements. Where appropriate, the concentrate also complies with the requirements stated under Unlicensed Medicines. Brimonidine Eye Drops are a sterile solution of Brimonidine Tartrate. Clarithromycin for Infusion is a sterile material consisting of Clarithromycin with or without excipients. It is supplied in a sealed container.	BG	Side Car
BP m	monograph monograph monograph	Sterile Concentrate Brimonidine Eye Drops Clarithromycin for	N	for Injections or Infusions stated under Parenteral Preparations and with the following requirements. Where appropriate, the concentrate also complies with the requirements stated under Unlicensed Medicines. Brimonidine Eye Drops are a sterile solution of Brimonidine Tartrate. Clarithromycin for Infusion is a sterile material consisting of Clarithromycin with or without excipients. It is supplied in a sealed container.		
BP m	monograph	Drops Clarithromycin for		Tartrate. Clarithromycin for Infusion is a sterile material consisting of Clarithromycin with or without excipients. It is supplied in a sealed container.		
	nonograph	_	R	Clarithromycin with or without excipients. It is supplied in a sealed container.		
BP m				The contents of the sealed container comply with the requirements		
BP m				for Powders for Injections or Infusions stated under Parenteral Preparations and with the following requirements.		
		Bleomycin Powder for Injection	R	Bleomycin Powder for Injection is a sterile material consisting of Bleomycin Sulfate with or without excipients. It is supplied in a sterile container.		
				The contents of the sealed container comply with the requirements stated under Parenteral Preparations and with the following requirements.		
E P m	0 1	Croscarmellose Sodium	R	Microbial contamination TAMC: acceptance criterion 10 ³ CFU/g (2.6.12). TYMC: acceptance criterion 10 ² CFU/g (2.6.12). Absence of Escherichia coli (2.6.13).		
EP m	monograph	Parenteral preparations	R	Sterility (2.6.1). Parenteral preparations comply with the test.		
				Pyrogenicity. Parenteral preparations for human use, if applicable after reconstitution or dilution, comply with a suitable test for pyrogenicity. Guidance for the selection of a test is given in general chapter 5.1.13. The limit, when not indicated in the individual monograph, is determined in accordance with the recommendations of general chapter 5.1.10 when a test for bacterial endotoxins is selected or general chapter 2.6.30 when a monocyte-activation test is selected. The limit for intravitreal preparations for intraocular use is expressed per eye. Where the label states that the preparation is free from bacterial endotoxins, the preparation complies with the test for bacterial endotoxins (2.6.14 or 2.6.32). Where the label states that the preparation is apyrogenic, the preparation complies with the monocyte-activation test (2.6.30).		
				Parenteral preparations for veterinary use comply with a suitable test for pyrogenicity when the volume to be injected in a single dose is 15 mL or more and is equivalent to a dose of 0.2 mL or more per kilogram of body mass. Guidance for the selection of a test is given in general chapter 5.1.13.		
E P m	• .	Sorbitol, Liquid, Partially Dehydrated	R	Microbial contamination TAMC: acceptance criterion 10 ³ CFU/g (2.6.12). TYMC: acceptance criterion 10 ² CFU/g (2.6.12). Absence of Escherichia coli (2.6.13). Absence of Salmonella (2.6.13).		

				dose is 15 mL or more and is equivalent to a dose of 0.2 mL or more per kilogram of body mass. Guidance for the selection of a test is given in general chapter 5.1.13.	
EP	monograph	Sorbitol, Liquid, Partially Dehydrated	R	Microbial contamination TAMC: acceptance criterion 10 ³ CFU/g (2.6.12). TYMC: acceptance criterion 10 ² CFU/g (2.6.12). Absence of Escherichia coli (2.6.13). Absence of Salmonella (2.6.13).	
IP [no new relevant items as of this report date]					
JP [no new relevant items as of this report date]					
USP [51(6)]	chapter	(771) Ophthalmic Products—Quality Tests	R	STERILITY Ophthalmic dosage forms ▲ All ophthalmic drug products ▲ (USP 1-Feb-2027) must meet the requirements of Sterility Tests 〈71〉. ▲ Sterility is considered a critical quality attribute for ophthalmic drug products. ▲ (USP 1-Feb-2027) If the specific ingredients used in the formulation do not lend themselves to routine sterilization techniques, ingredients that meet the sterility requirements described in 〈71〉., along with aseptic manufacture, may be used. The immediate centainer ▲ primary container — closure system ▲ (USP 1-Feb-2027) for ophthalmic ▲ drug ▲ (USP 1-Feb-2027) products shall be sterile at the time of filling and ▲ container ▲ (USP 1-Feb-2027) products shall be sterile at the time of filling and ▲ container ▲ (USP 1-Feb-2027) products shall be sterile at the time of filling and ▲ container ▲ (USP 1-Feb-2027) products shall be sterile at the time of filling and ▲ container ▲ (USP 1-Feb-2027) products shall be sterile at the time of filling and ▲ container ▲ filling and ♠ container և filling and here are filling and here and filling and here are filling and here and filling and here are different directions in the individual monograph; 2) the radiopharmaceutical drug product contains a radionuclide with a physical half-life of <24 h; 3) the drug product contains a radionuclide with a physical half-life of <24 h; 3) the drug product contains a radionuclide with a physical half-life of <24 h; 3) the drug product contains a radionuclide with a physical half-life of <24 h; 3) the drug product shell filling the intended use period. Antim	
				not more than 2.0 EU/dose/eye for injected or implanted drug products. Typically, this test is not required for topically applied ophthalmic Adrug (USP 1-	

				All injected ophthalmic drug products shall be prepared in a manner designed to minimize bacterial endotoxins as defined in <u>Bacterial Endotoxins Test (85)</u> . The limits are not more than 0.5 EU/mL for ophthalmic irrigation products and not more than 2.0 EU/dose/eye for injected or implanted drug products. Typically, this test is not required for topically applied ophthalmic <u>Adrug (USP 1-Feb-2027)</u> products. This chapter does not address the endotoxin limits for devices that are injected or implanted.
USP [51(6)]	chapter	\(\ 825 \rightarrow \) Radiopharm -aceuticals — \(\text{Preparation,} \) \(\text{Compounding,} \) \(\text{Dispensing, and} \) \(\text{Repackaging.} \)	R	[from Briefing] Clarify in 1.2 Sterile Radiopharmaceuticals that 70% isopropyl alcohol (IPA) must be allowed to dry, prior to initial needle puncture, when wiping vial septa. Revise 3. Immediate Use of Sterile Radiopharmaceuticals as follows: Add the requirement that intrathecally administered radiopharmaceuticals not be dispensed according to the immediate use standards. Revise 3. Immediate Use of Sterile Radiopharmaceuticals as follows: Add the requirement that intrathecally administered radiopharmaceuticals not be dispensed according to the immediate use standards. Add the requirements that nondirect infusion generators may not be eluted according to the immediate use standards. Add requirements that nondirect infusion generators may not be eluted according to the immediate use standards and that nondirect infusion generators are required to be stored and eluted in a segregated radiopharmaceutical processing area (SRPA) in ISO 8 total airborne particles or better. Garbing and aseptic qualifications for the environment must be performed. Clarify the requirements in 4.1 Aseptic Qualifications under Gloved Fingertip and Thumb Sampling. In 4.2 Reevaluation, Retraining, and Requalification: Clarify the requirement that gloved fingertip and thumb sampling is not required but may be allowed to be in conjunction with media-fill testing. Clarify the requirement for reevaluation and requalification after a pause in sterile radiopharmaceutical processing. Clarify the requirements for ancillary individuals with regard to whether or not they handle sterile radiopharmaceuticals directly. Clarify the expectation for all personnel entering ISO classified areas to meet the requirements for the specific classified area that they access. In 6. Microbiological Air and Surface Monitoring, delete requirements for incubation of samples in separate incubators. Make the following changes to 7. Cleaning and Disinfecting: Update Table 5 to include a requirement for cleaning and disinfecting to surfaces of handwashing s
USP [51(6)]	chapter	⟨1155⟩ Injectable Iron Colloidal Products — Characterization Methods	N	Sterility Tests 〈71〉 Bacterial endotoxins (Bacterial Endotoxins Test 〈85〉 and Guidelines for Bacterial Endotoxins Testing 〈1085〉)
USP [51(6)]	chapter	\(\frac{1156} \) LG Polymer Microparticle Drug Products — Characterization Methods	N	Bacterial endotoxins (Bacterial Endotoxins Test (85) and Guidelines For Bacterial Endotoxins Testing (1085)) Sterility Tests (71) Sterility should be determined both within and on the surface of the LG polymer microparticles. Thus, during method development, studies should be conducted to detect any organisms inside the test sample.
USP [51(6)]	chapter	〈1225〉 Validation of Compendial Procedures	R	This chapter is always of general importance.
USP [51(6)]	chapter	〈1771〉Ophthalmic Products— Performance Tests	R	Sterilization Ophthalmic drug products must be sterile, and the sterilization methods used for the manufacturing process should be appropriately justified. (For example, see Ref. 1.) During the sterilization step of the manufacturing process, degradation and morphological changes can occur in the drug product. These changes depend on the formulation, container—closure system, and sterilization process. Such changes should be minimized to ensure product integrity and efficacy. Autoclaving: The high temperatures required for this moist heat sterilization method can cause irreversible damage to certain dosage forms, especially those containing heat-sensitive components. Filtration: While sterile filtration through a 0.2-ym filter is effective, it is only applicable to formulations that can be successfully filtered without impacting their quality or performance. It may not be suitable for suspensions or viscous solutions. Dry heat sterilization: This method requires prolonged exposure to high temperatures, which can also degrade heat-sensitive materials and is generally unsuitable for ophthalmic preparations. Ethylene oxide (EtO): Although useful for terminal sterilization, EtO may leave harmful residuals if not carefully removed, posing safety concerns. Gamma irradiation: Exposure to radiation can lead to chemical changes in the formulation and container materials, potentially affecting the product's safety and stability. An alternative approach is to manufacture the drug product using sterile ingredients in an aseptic environment. This method avoids exposing the formulation to conditions that may lead to degradation, but it requires meticulous control and compliance with stringent aseptic techniques to prevent contamination.
USP [51(6)]	monograph	Aronia melanocarpa Fruit Aqueous Dry Extract	N	 Microbial Enumeration Tests <2021>:The total aerobic bacterial count does not exceed 10⁴ cfu/g, and the total combined molds and yeasts count does not exceed 10³ cfu/g. Absence of Specified Microorganisms <2022>, Test Procedures, Test for Absence of Salmonella Species Test for Absence of Escherichia coli:Meets the requirements
USP [51(6)]	monograph	Arsenic Trioxide	N	 Bacterial Endotoxins Test (85): Where the label states that Arsenic Trioxide must be subjected to further processing during the preparation of injectable dosage forms, the level of bacterial endotoxins are such that the requirement under the relevant dosage form monograph(s) in which Arsenic Trioxide is used can be met. Microbial Enumeration Tests (61): The total aerobic microbial count does not exceed 10² cfu/g. The total molds and yeasts count does not exceed 50¹ cfu/g.
USP [51(6)]	monograph	Arsenic Trioxide Injection	N	• <u>Bacterial Endotoxins Test (85)</u> :Meets the requirements • <u>Sterility Tests (71)</u> :Meets the requirements
USP [51(6)]	monograph	Cordyceps sinensis Fruiting Body	N	 Microbial Enumeration Tests 〈2021〉:The total aerobic bacterial count does not exceed 10⁴ cfu/g, and the total combined molds and yeasts count does not exceed 10² cfu/g. Absence of Specified Microorganisms 〈2022〉, Test Procedures, Test for Absence of Salmonella Species?????Test for Absence of Escherichia coli:Meets the requirements
USP [51(6)]	monograph	Cordyceps sinensis Fruiting Body Powder	N	 Microbial Enumeration Tests 〈2021〉: The total aerobic bacterial count does not exceed 10⁴ cfu/g, and the total combined molds and yeasts count does not exceed 10² cfu/g. Absence of Specified Microorganisms 〈2022〉, Test Procedures, Test for Absence of Salmonella Species??? Test for Absence of Escherichia coli: Meets the requirements
USP [51(6)]	monograph	Latanoprost Ophthalmic Solution	N	•Sterility Tests 〈71〉:Meets the requirements
USP [51(6)]	monograph	Palonosetron Injection	N	•Bacterial Endotoxins Test <85>:Meets the requirements •Sterility Tests <71>:Meets the requirements
USP [51(6)]	monograph	Phosphatidylserine	N	 •Microbial Enumeration Tests 〈2021〉: The total bacterial count does not exceed 10³ cfu/g, and the total combined molds and yeasts count does not exceed 10² cfu/g. •Absence of Specified Microorganisms 〈2022〉, Test Procedures, Test for Absence of Salmonella Species?????Test for Absence of Escherichia coli: Meets the requirements
USP [51(6)]	monograph	Scaffold Bovine Dermis	R	•Sterility Tests 〈71〉:It meets the requirements. •Bacterial Endotoxins Test 〈85〉:It meets the requirements as directed in Medical Devices—Bacterial Endotoxin and Pyrogen Tests 〈161〉.

		Preparation, Compounding,		alcohol (IPA) must be allowed to dry, prior to initial needle puncture, when wiping vial septa. Revise 3. Immediate Use of Sterile Radiopharmaceuticals as follows:	
		Dispensing, and Repackaging.		 Add the requirement that intrathecally administered radiopharmaceuticals not be dispensed according to the immediate use standards. 	
				 Revise <u>3. Immediate Use of Sterile</u> <u>Radiopharmaceuticals</u> as follows: Add the requirement that intrathecally administered 	
				radiopharmaceuticals not be dispensed according to the immediate use standards. • Add requirements that nondirect infusion generators	
				may not be eluted according to the immediate use standards and that nondirect infusion generators are required to be stored and eluted in a segregated radiopharmaceutical processing	
				area (SRPA) in ISO 8 total airborne particles or better. Garbing and aseptic qualifications for the environment must be performed.	
				 Clarify requirements in <u>4.1 Aseptic Qualifications</u> under <i>Gloved Fingertip and Thumb Sampling</i>. In <u>4.2 Reevaluation</u>, Retraining, and Requalification: 	
				 Clarify the requirement that gloved fingertip and thumb sampling is not required but may be allowed to be in 	
				conjunction with media-fill testing. Clarify the requirement for reevaluation and requalification after a pause in sterile radiopharmaceutical	
				 processing. Clarify the requirements for ancillary individuals with regard to whether or not they handle sterile radiopharmaceuticals directly. 	
				 Clarify the expectation for all personnel entering ISO classified areas to meet the requirements for the specific classified area that they access. 	
				 In 6. Microbiological Air and Surface Monitoring, delete requirements for incubation of samples in separate incubators. Make the following changes to 7. Cleaning and Disinfecting: 	
				 Update the frequency requirement for cleaning and disinfecting surfaces. Update <u>Table 5</u> to include a requirement for cleaning 	
				 and disinfecting the surfaces of handwashing sink(s) used as part of aseptic garbing. Update 7.2 Cleaning Supplies to add a requirement for cleaning, disinfecting, and sporicidal agents used within the 	
				PEC to be sterile with the exception of tool handles and holders. In 7.6 Cleaning and Disinfecting Items from Patient	
USP [51(6)]	chapter	<1155> Injectable	N	Care Area, update to include syringe-carrying containers. Sterility Tests 〈71〉	
		Iron Colloidal Products — Characterization		Bacterial endotoxins (Bacterial Endotoxins Test 〈85〉 and Guidelines for Bacterial Endotoxins Testing 〈1085〉)	
USP [51(6)]	chapter	Methods (1156) LG Polymer	N	Bacterial endotoxins (Bacterial Endotoxins	
		Microparticle Drug Products — Characterization		 Test \(85 \) and Guidelines For Bacterial Endotoxins Testing \(1085 \) \) Sterility Tests \(\frac{71}{2} \) 	
		Methods		Sterility Sterility should be determined both within and on the surface of the LG polymer microparticles. Thus, during method development, studies should be conducted	
USP [51(6)]	chapter	〈1225〉 Validation	R	to detect any organisms inside the test sample. This chapter is always of general importance.	
	·	of Compendial Procedures			
USP [51(6)]	chapter	<pre> <1771 > Ophthalmic Products — Performance Tests</pre>	R	Sterilization Ophthalmic drug products must be sterile, and the sterilization methods used for the manufacturing process should be appropriately justified. (For example, see	
		1.120		Ref. 1.) During the sterilization step of the manufacturing process, degradation and morphological changes can occur in the drug product. These changes depend	
				on the formulation, container—closure system, and sterilization process. Such changes should be minimized to ensure product integrity and efficacy. • Autoclaving: The high temperatures required for this moist	
				heat sterilization method can cause irreversible damage to certain dosage forms, especially those containing heat-sensitive components. • Filtration: While sterile filtration through a 0.2-µm filter is	
				effective, it is only applicable to formulations that can be successfully filtered without impacting their quality or performance. It may not be suitable for suspensions or viscous solutions.	
				• Dry heat sterilization: This method requires prolonged exposure to high temperatures, which can also degrade heat-sensitive materials and is generally unsuitable for ophthalmic preparations.	
				Ethylene oxide (EtO): Although useful for terminal sterilization, EtO may leave harmful residuals if not carefully removed, posing safety concerns.	
				• Gamma irradiation: Exposure to radiation can lead to chemical changes in the formulation and container materials, potentially affecting the product's safety and stability.	
				An alternative approach is to manufacture the drug product using sterile ingredients in an aseptic environment. This method avoids exposing the formulation to conditions that may lead to degradation, but it requires meticulous control and compliance with stringent aseptic techniques to prevent	
				contamination.	
USP [51(6)]	monograph	Aronia melanocarpa Fruit Aqueous Dry	N	• <u>Microbial Enumeration Tests 〈2021〉</u> :The total aerobic bacterial count does not exceed 10 ⁴ cfu/g, and the total combined molds and yeasts count does not exceed 10 ³ cfu/g.	
		Extract		•Absence of Specified Microorganisms 〈2022〉, Test Procedures, Test for Absence of Salmonella Species ??? Test for Absence of Escherichia coli:Meets the requirements	
USP [51(6)]	monograph	Arsenic Trioxide	N	•Bacterial Endotoxins Test (85):Where the label states that Arsenic Trioxide must be subjected to further processing during the preparation of injectable	
				dosage forms, the level of bacterial endotoxins are such that the requirement under the relevant dosage form monograph(s) in which Arsenic Trioxide is used can be met.	
				•Microbial Enumeration Tests (61):The total aerobic microbial count does not exceed 10 ² cfu/g. The total molds and yeasts count does not exceed 50 ¹ cfu/g.	
USP [51(6)]	monograph	Arsenic Trioxide Injection	N	• Bacterial Endotoxins Test (85): Meets the requirements • Sterility Tests (71): Meets the requirements	
USP [51(6)]	monograph	Cordyceps sinensis Fruiting	N	•Microbial Enumeration Tests 〈2021〉:The total aerobic bacterial count does not exceed 10⁴ cfu/g, and the total combined molds and yeasts count does not	
		Body		exceed 10 ² cfu/g. •Absence of Specified Microorganisms 〈2022〉, Test Procedures, Test for Absence of Salmonella Species?????Test for Absence of Escherichia	
USP [51(6)]	monograph	Cordyceps	N	coli:Meets the requirements •Microbial Enumeration Tests ⟨2021⟩:The total aerobic bacterial count does	
		sinensis Fruiting Body Powder		not exceed 10 ⁴ cfu/g, and the total combined molds and yeasts count does not exceed 10 ² cfu/g. •Absence of Specified Microorganisms (2022), Test Procedures, Test for	
				Absence of Salmonella Species ?? Test for Absence of Escherichia coli: Meets the requirements	
USP [51(6)]	monograph	Latanoprost Ophthalmic Solution	N	•Sterility Tests 〈71〉:Meets the requirements	
USP [51(6)]	monograph monograph		N N	 Sterility Tests (71): Meets the requirements Bacterial Endotoxins Test (85): Meets the requirements Sterility Tests (71): Meets the requirements 	
2 112		Ophthalmic Solution Palonosetron		 Bacterial Endotoxins Test ⟨85⟩: Meets the requirements Sterility Tests ⟨71⟩: Meets the requirements Microbial Enumeration Tests ⟨2021⟩: The total bacterial count does not exceed 10³ cfu/g, and the total combined molds and yeasts count does not 	
USP [51(6)]	monograph	Ophthalmic Solution Palonosetron Injection	N	 Bacterial Endotoxins Test (85): Meets the requirements Sterility Tests (71): Meets the requirements Microbial Enumeration Tests (2021): The total bacterial count does not exceed 10³ cfu/g, and the total combined molds and yeasts count does not exceed 10² cfu/g. Absence of Specified Microorganisms (2022), Test Procedures, Test for 	
USP [51(6)]	monograph	Ophthalmic Solution Palonosetron Injection Phosphatidylserine Scaffold Bovine	N	 Bacterial Endotoxins Test ⟨85⟩: Meets the requirements Sterility Tests ⟨71⟩: Meets the requirements Microbial Enumeration Tests ⟨2021⟩: The total bacterial count does not exceed 10³ cfu/g, and the total combined molds and yeasts count does not exceed 10² cfu/g. 	
USP [51(6)]	monograph	Ophthalmic Solution Palonosetron Injection Phosphatidylserine	N N	•Bacterial Endotoxins Test ⟨85⟩: Meets the requirements •Sterility Tests ⟨71⟩: Meets the requirements •Microbial Enumeration Tests ⟨2021⟩: The total bacterial count does not exceed 10³ cfu/g, and the total combined molds and yeasts count does not exceed 10² cfu/g. •Absence of Specified Microorganisms ⟨2022⟩, Test Procedures, Test for Absence of Salmonella Species???? Test for Absence of Escherichia coli: Meets the requirements	
USP [51(6)] USP [51(6)] USP [51(6)]	monograph	Ophthalmic Solution Palonosetron Injection Phosphatidylserine Scaffold Bovine	N N	 Bacterial Endotoxins Test ⟨85⟩: Meets the requirements Sterility Tests ⟨71⟩: Meets the requirements Microbial Enumeration Tests ⟨2021⟩: The total bacterial count does not exceed 10³ cfu/g, and the total combined molds and yeasts count does not exceed 10² cfu/g. Absence of Specified Microorganisms ⟨2022⟩, Test Procedures, Test for Absence of Salmonella Species?????Test for Absence of Escherichia coli: Meets the requirements Sterility Tests ⟨71⟩: It meets the requirements as directed 	
USP [51(6)] USP [51(6)] USP [51(6)] WHO [no new relevant items as of this	monograph	Ophthalmic Solution Palonosetron Injection Phosphatidylserine Scaffold Bovine	N N	 Bacterial Endotoxins Test ⟨85⟩: Meets the requirements Sterility Tests ⟨71⟩: Meets the requirements Microbial Enumeration Tests ⟨2021⟩: The total bacterial count does not exceed 10³ cfu/g, and the total combined molds and yeasts count does not exceed 10² cfu/g. Absence of Specified Microorganisms ⟨2022⟩, Test Procedures, Test for Absence of Salmonella Species?????Test for Absence of Escherichia coli: Meets the requirements Sterility Tests ⟨71⟩: It meets the requirements as directed 	
USP [51(6)] USP [51(6)] USP [51(6)] WHO [no new relevant items	monograph	Ophthalmic Solution Palonosetron Injection Phosphatidylserine Scaffold Bovine	N N	 Bacterial Endotoxins Test ⟨85⟩: Meets the requirements Sterility Tests ⟨71⟩: Meets the requirements Microbial Enumeration Tests ⟨2021⟩: The total bacterial count does not exceed 10³ cfu/g, and the total combined molds and yeasts count does not exceed 10² cfu/g. Absence of Specified Microorganisms ⟨2022⟩, Test Procedures, Test for Absence of Salmonella Species?????Test for Absence of Escherichia coli: Meets the requirements Sterility Tests ⟨71⟩: It meets the requirements as directed 	
USP [51(6)] USP [51(6)] USP [51(6)] WHO [no new relevant items as of this	monograph	Ophthalmic Solution Palonosetron Injection Phosphatidylserine Scaffold Bovine	N N	Bacterial Endotoxins Test ⟨85⟩: Meets the requirements Sterility Tests ⟨71⟩: Meets the requirements Microbial Enumeration Tests ⟨2021⟩: The total bacterial count does not exceed 10³ cfu/g, and the total combined molds and yeasts count does not exceed 10² cfu/g. Absence of Specified Microorganisms ⟨2022⟩, Test Procedures, Test for Absence of Salmonella Species????? Test for Absence of Escherichia coll: Meets the requirements Sterility Tests ⟨71⟩: It meets the requirements as directed in Medical Devices—Bacterial Endotoxin and Pyrogen Tests ⟨161⟩. Barrent Sponsors of the PMF	
USP [51(6)] USP [51(6)] USP [51(6)] WHO [no new relevant items as of this	monograph	Ophthalmic Solution Palonosetron Injection Phosphatidylserine Scaffold Bovine Dermis	N N N Cu	Bacterial Endotoxins Test ⟨85⟩: Meets the requirements Sterility Tests ⟨71⟩: Meets the requirements Microbial Enumeration Tests ⟨2021⟩: The total bacterial count does not exceed 10³ cfu/g, and the total combined molds and yeasts count does not exceed 10² cfu/g. Absence of Specified Microorganisms ⟨2022⟩, Test Procedures, Test for Absence of Salmonella Species (2) (2) (2) Test for Absence of Escherichia coll: Meets the requirements Sterility Tests ⟨71⟩: It meets the requirements. Bacterial Endotoxins Test ⟨85⟩: It meets the requirements as directed in Medical Devices—Bacterial Endotoxin and Pyrogen Tests ⟨161⟩.	
USP [51(6)] USP [51(6)] USP [51(6)] WHO [no new relevant items as of this	monograph	Ophthalmic Solution Palonosetron Injection Phosphatidylserine Scaffold Bovine Dermis	N N N Cu	Bacterial Endotoxins Test ⟨85⟩: Meets the requirements Sterility Tests ⟨71⟩: Meets the requirements Microbial Enumeration Tests ⟨2021⟩: The total bacterial count does not exceed 10³ cfu/g, and the total combined molds and yeasts count does not exceed 10² cfu/g. Absence of Specified Microorganisms ⟨2022⟩, Test Procedures, Test for Absence of Salmonella Species????? Test for Absence of Escherichia coll: Meets the requirements Sterility Tests ⟨71⟩: It meets the requirements as directed in Medical Devices—Bacterial Endotoxin and Pyrogen Tests ⟨161⟩. Barrent Sponsors of the PMF	
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				 Revise 3. Immediate Use of Sterile Radiopharmaceuticals as follows: Add the requirement that intrathecally administered radiopharmaceuticals not be dispensed according to the immediate use standards. Add requirements that nondirect infusion generators may not be eluted according to the immediate use standards and that nondirect infusion generators are required to be stored and eluted in a segregated radiopharmaceutical processing area (SRPA) in ISO 8 total airborne particles or better. Garbing and aseptic qualifications for the environment must be performed. Clarify requirements in 4.1 Aseptic Qualifications under Gloved Fingertip and Thumb Sampling. Clarify the requirement that gloved fingertip and thumb sampling is not required but may be allowed to be in conjunction with media-fill testing. Clarify the requirement for reevaluation and requalification after a pause in sterile radiopharmaceutical 	
				 Clarify the requirements for ancillary individuals with regard to whether or not they handle sterile radiopharmaceuticals directly. Clarify the expectation for all personnel entering ISO classified areas to meet the requirements for the specific classified area that they access. In 6. Microbiological Air and Surface Monitoring, delete requirements for incubation of samples in separate incubators. Make the following changes to 7. Cleaning and Disinfecting: Update the frequency requirement for cleaning and disinfecting surfaces. Update Table 5 to include a requirement for cleaning and disinfecting the surfaces of handwashing sink(s) used as part of aseptic garbing. Update 7.2 Cleaning Supplies to add a requirement for cleaning, disinfecting, and sporicidal agents used within the PEC to be sterile with the exception of tool handles and 	
P [51(6)]	chapter	⟨1155⟩ Injectable Iron Colloidal Products — Characterization	N	holders. In 7.6 Cleaning and Disinfecting Items from Patient Care Area, update to include syringe-carrying containers. Sterility Tests 〈71〉 Bacterial endotoxins (Bacterial Endotoxins Test 〈85〉 and Guidelines for Bacterial Endotoxins Testing 〈1085〉)	
P [51(6)]	chapter	Methods (1156) LG Polymer Microparticle Drug Products — Characterization Methods	N	Bacterial endotoxins (Bacterial Endotoxins Test (85) and Guidelines For Bacterial Endotoxins Testing (1085)) Sterility Tests (71) Sterility should be determined both within and on the surface of the LG polymer microparticles. Thus, during method development, studies should be conducted	
P [51(6)]	chapter	〈1225〉 Validation	R	to detect any organisms inside the test sample. This chapter is always of general importance.	
P [51(6)]	chapter	of Compendial Procedures 〈1771〉 Ophthalmic	R	Sterilization	
P [51(6)]	monograph	Performance Tests Aronia	N	Ophthalmic drug products must be sterile, and the sterilization methods used for the manufacturing process should be appropriately justified. (For example, see Ref. 1.) During the sterilization step of the manufacturing process, degradation and morphological changes can occur in the drug product. These changes depend on the formulation, container—closure system, and sterilization process. Such changes should be minimized to ensure product integrity and efficacy. **Autoclaving: The high temperatures required for this moist heat sterilization method can cause irreversible damage to certain dosage forms, especially those containing heat-sensitive components. **Filtration:* While sterile filtration through a 0.2-\(\mu\)m filter is effective, it is only applicable to formulations that can be successfully filtered without impacting their quality or performance. It may not be suitable for suspensions or viscous solutions. **Dry heat sterilization:* This method requires prolonged exposure to high temperatures, which can also degrade heat-sensitive materials and is generally unsuitable for ophthalmic preparations. **Ethylene oxide (EtO):* Although useful for terminal sterilization, EtO may leave harmful residuals if not carefully removed, posing safety concerns. **Gamma irradiation:* Exposure to radiation can lead to chemical changes in the formulation and container materials, potentially affecting the product's safety and stability. An alternative approach is to manufacture the drug product using sterile ingredients in an aseptic environment. This method avoids exposing the formulation to conditions that may lead to degradation, but it requires meticulous control and compliance with stringent aseptic techniques to prevent contamination.	
		melanocarpa Fruit Aqueous Dry Extract		not exceed 10 ⁴ cfu/g, and the total combined molds and yeasts count does not exceed 10 ³ cfu/g. •Absence of Specified Microorganisms 〈2022〉, Test Procedures, Test for Absence of Salmonella Species ??? Test for Absence of Escherichia coli:Meets the requirements	
P [51(6)]	monograph	Arsenic Trioxide	N	 Bacterial Endotoxins Test (85): Where the label states that Arsenic Trioxide must be subjected to further processing during the preparation of injectable dosage forms, the level of bacterial endotoxins are such that the requirement under the relevant dosage form monograph(s) in which Arsenic Trioxide is used can be met. Microbial Enumeration Tests (61): The total aerobic microbial count does not exceed 10² cfu/g. The total molds and yeasts count does not exceed 50¹ cfu/g. 	
P [51(6)]	monograph	Arsenic Trioxide Injection	N	•Bacterial Endotoxins Test <85>:Meets the requirements •Sterility Tests <71>:Meets the requirements	
P [51(6)]	monograph	Cordyceps sinensis Fruiting Body	N	•Microbial Enumeration Tests 〈2021〉:The total aerobic bacterial count does not exceed 10⁴ cfu/g, and the total combined molds and yeasts count does not exceed 10² cfu/g. •Absence of Specified Microorganisms 〈2022〉, Test Procedures, Test for Absence of Salmonella Species ????Test for Absence of Escherichia coli:Meets the requirements	
P [51(6)]	monograph	Cordyceps sinensis Fruiting Body Powder	N	 Microbial Enumeration Tests 〈2021〉: The total aerobic bacterial count does not exceed 10⁴ cfu/g, and the total combined molds and yeasts count does not exceed 10² cfu/g. Absence of Specified Microorganisms 〈2022〉, Test Procedures, Test for Absence of Salmonella Species??? Test for Absence of Escherichia coli: Meets the requirements 	
P [51(6)]	monograph	Latanoprost Ophthalmic Solution	N	•Sterility Tests (71):Meets the requirements	
P [51(6)]	monograph	Palonosetron Injection	N	•Bacterial Endotoxins Test <85>:Meets the requirements •Sterility Tests <71>:Meets the requirements	
P [51(6)]	monograph	Phosphatidylserine	N	 •Microbial Enumeration Tests 〈2021〉: The total bacterial count does not exceed 10³ cfu/g, and the total combined molds and yeasts count does not exceed 10² cfu/g. •Absence of Specified Microorganisms 〈2022〉, Test Procedures, Test for Absence of Salmonella Species ???Test for Absence of Escherichia coli: Meets the requirements 	
P [51(6)]	monograph	Scaffold Bovine Dermis	R	•Sterility Tests ⟨71⟩: It meets the requirements. •Bacterial Endotoxins Test ⟨85⟩: It meets the requirements as directed in Medical Devices—Bacterial Endotoxin and Pyrogen Tests ⟨161⟩.	
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	S	STERIS°		http://www.sterislifesciences.com/	
	VI	a vai		http://www.sterile.com	