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Suggested	Cefoxitin 100 mg/mL Intravenous Injection (Solution, 10 mL)	FIN	F 008 723
Formula			

SUGGESTED FORMULATION

Ingredient Listing	Qty.	Unit	NDC #	Supplier	Lot Number	Expiry Date
Cefoxitin Sodium, USP	TBD					
Sterile Water for Injection, USP	8.0	mL				
Sterile Water for Injection, USP	q.s. to 10.0	mL				
Sodium Hydroxide 10% Solution	As required					
Hydrochloric Acid 10% Solution	As required					
			Q			

SPECIAL PREPARATORY CONSIDERATIONS

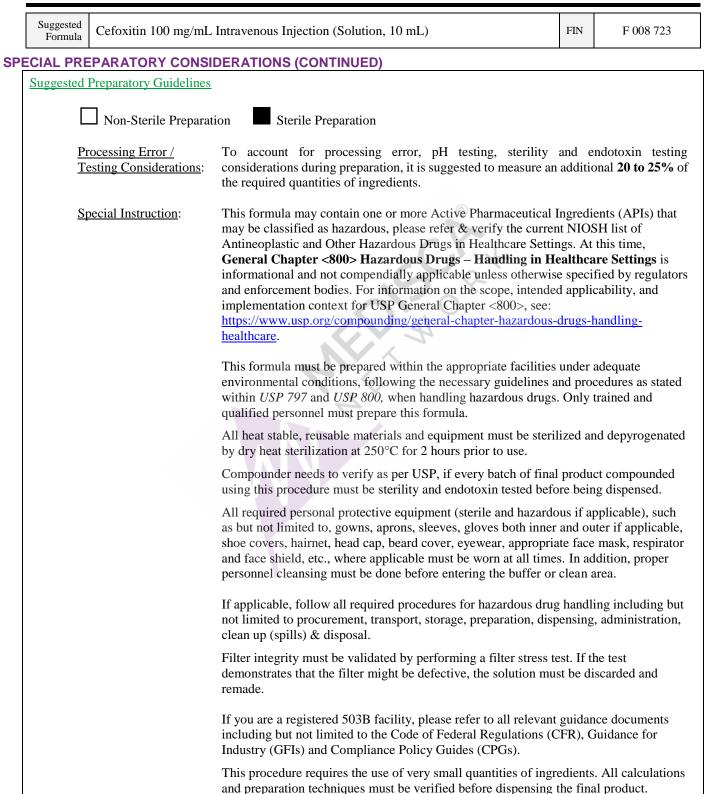
Ingredient-Specific Information

Hygroscopic (protect from moisture whenever possible):

Cefoxitin Sodium



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SUGGESTED PREPARATION (for 10 mL)

Weigh and / or measure the following ingredients when appropriate:

Ingredient Listing	Qty.	Unit	Multiplication factor ^(*) :	Processing Error	Qty. to measure
Cefoxitin Sodium, USP §	TBD				
Sterile Water for Injection, USP §	8.0	mL			
Sterile Water for Injection, USP §	q.s. to 10.0	mL			
Sodium Hydroxide 10% Solution §	As required		Š		
Hydrochloric Acid 10% Solution §	As required	C	XL		

* Takes into account increased batch size conversions and density conversions, if required.

§ Weigh / measure just prior to use.

Preparatory Instruction

IMPORTANT: All preparatory procedures must be performed using proper Aseptic Technique

1. Equipment sterilization:

Following the manufacturer's specifications, sterilize and depyrogenate all heat stable, reusable materials and equipment, then return to ambient temperature.





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4.	<u>pH testing:</u>					
	A. Draw an appropriate amount of the mixture (Step 3A).					
	В. Т	B. Test the pH of the sample. It should lie between 4.5 and 8.0.				
	C. <u>I</u>	the pH < 4.5 carefully add, in a dropwise fashion, the Sodium Hydroxide 10% Solution	to the	mixture:		
	 Draw and transfer 1 or 2 drops of the Sodium Hydroxide 10% Solution to the mixture. Stir for at least 5 minutes to evenly disperse the Sodium Hydroxide 10% Solution. Re-test the pH. Continue to add the Sodium Hydroxide 10% Solution until the pH of 4.5 to 8.0 is obtained. 					
		IMPORTANT: Do not allow the pH to rise above 8.0.				
	D. <u>I</u>	f the pH > 8.0, carefully add, in a dropwise fashion, the Hydrochloric Acid 10% Solution	to the	mixture:		
	 Draw and transfer 1 or 2 drops of the Hydrochloric Acid 10% Solution to the mixture. Stir for at least 5 minutes to evenly disperse the Hydrochloric Acid 10% Solution. Re-test the pH. Continue to add the Hydrochloric Acid 10% Solution until the pH of 4.5 to 8.0 is obtained. 					
	IMPORTANT: Do not allow the pH to fall below 4.5.					
5.	Filling to volume:					
	A. Add additional Sterile Water for Injection to the above mixture to fill to the required batch size (10.0 mL <i>plus</i> processing error adjustments).					
	Specifications: Continuously mix.					
	End result: Homogeneous liquid-like solution.					
6.	Filter	ing and transferring:				
	Aseptically filter the solution through a 0.22-µm sterile filter into the recommended dispensing container (see Packaging requirements). Transfer the remainder into a separate dispensing container. This is to be used as the Test sample for sterility and endotoxin testing.					
7.	Filter	· integrity test:				
	Validate filter integrity by performing a filter stress test. If the test demonstrates that the filter might be defective, the solution must be discarded and remade.					



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Pharmacist

Instructions

(-25°C to -10°C).

MEDISCA® NETWORK INC. TECHNICAL SUPPORT SERVICES FORMULATION CHEMISTRY DEPARTMENT TOLL-FREE: 866-333-7811 TELEPHONE: 514-905-5096 FAX: 514-905-5097 technicalservices@medisca.net

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		ggested formula	foxit	in 100 mg/mL Intravenous Injecti	on (Solution,	10 ml	L)	FIN	F 008 723
	8.	8. <u>Terminal Sterilization:</u> In relation to the chemical composition of the formulation, final packaging, etc., select a sterilization method and follow the manufacturer's specification.					nd val	lidate an end-stage	
	9.	9. Sterility and Endotoxin testing: Validate the Test sample for sterility and endotoxins, in accordance to current USP 797 regulatory guidelines.					uidelines.		
SU	GGE	STED PRE	ESE	NTATION					
	Estimated Beyond-Use Date			24 hours controlled room temperature, 3 days refrigerated, or 45 days frozen, as per USP 797. BUD based on successful endotoxin test result.	Packa Requirem		Sterile unit-dose injection	1 vials	
	1		1	Use as directed. Do not exceed dose.	l prescribed	6	Equilibrate to room temp	eratur	e before use.
			2	Keep out of reach of children.	4	7	Preservative free solu Discard any unused por		single use only.
		Auxiliary Labels	3	Do not use if product changes co	blor.	8	Consult your health c prescription or over-the currently being used or use.	-count	er medications are
						0			

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Add any auxiliary labels specific to the API to the dispensing container as deemed necessary.

Discard container after use.

Hypertonic solution. Inject slowly.

Patient	Contact your pharmacist in the event of adverse reactions.
Instructions	Contact your pharmacist in the event of adverse reactions.

Discard in the presence of particulate matter.

Keep at controlled room temperature, (20°C

 -25° C), refrigerated (2° C -8° C) or frozen



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REFERENCES

1.	Parenteral Preparations. In: Allen, LV, Jr. <i>The Art, Science, and Technology of Pharmaceutical Compounding Fifth Edition</i> . American Pharmacists Association; 2016: 399.
2.	Cefoxitin for Injection. In: Canadian Pharmacists Association. Compendium of Pharmacists and Specialties, 2017: 693.
3.	Cefoxitin Sodium. In: Brayfield, A., ed. <i>Martindale: The Complete Drug Reference, 38th Edition</i> . London, England: The Pharmaceutical Press; 2014: 246.
4.	Cefoxitin (Monograph). In: O'Neil MJ. <i>The Merck Index 15th Edition</i> . Whitehouse Station, NJ: Merck & Co, Inc.; 2013: Monograph #1938.
5.	Cefoxitin Sodium (Monograph). United States Pharmacopeia XLIII / National Formulary 38. Rockville, MD. US Pharmacopeial Convention, Inc. 2020: 858.
6.	Chapter 8: Buffered and Isotonic Solutions. In: Sinko, D. J. and Singh, Y. <i>Martin's Physical Pharmacy and Pharmaceutical Sciences, Sixth Edition.</i> Philadelphia, PA: Lipponcott Williams & Wilkins; 2011: 163-181.
7.	Chapter 18: Tonicity, Osmoticity, Osmolality and Osmolarity. In: D.B Troy. <i>Remington: The Science and Practice of Pharmacy, 21st Edition.</i> Baltimore, MD: Lippincott Williams & Wilkins; 2006: 250~265.
8.	USP <797>. United States Pharmacopeia XLIII / National Formulary 38. Rockville, MD. US Pharmacopeial Convention, Inc. 2020: 7037.

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