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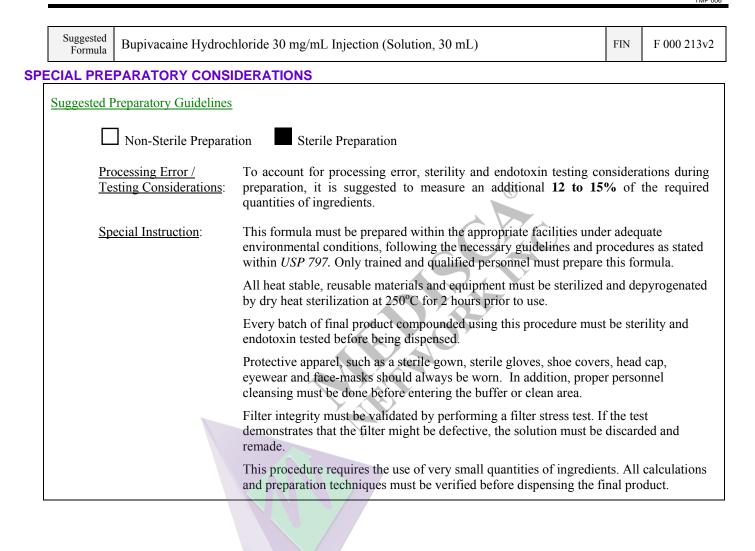
	Suggested Formula	Bupivacaine Hydrochloride 30 mg/mL Injection (Solution, 30 mL)	FIN	F 000 213v2	
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SUGGESTED FORMULATION

Ingredient Listing	Qty.	Unit	NDC #	Supplier	Lot Number	Expiry Date
Bupivacaine Hydrochloride (Monohydrate), USP	0.900	g				
Sodium Chloride, USP	0.12	g				
Sterile Water For Injection, USP	29.0	mL				
Sterile Water For Injection, USP	q.s. to 30.0	mL	1			



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SUGGESTED PREPARATION (for 30 mL)

Weigh and / or measure the following ingredients when appropriate:

Ingredient Listing	Qty.	Unit	Multiplication factor ^(*) :	Processing Error	Qty. to measure
Bupivacaine Hydrochloride (Monohydrate), USP §	0.900	g	6		
Sodium Chloride, USP §	0.12	g			
Sterile Water For Injection, USP §	29.0	mL		0	
Sterile Water For Injection, USP §	q.s. to 30.0	mL			

* 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.

2. Preparatory step:

A. Prepare a hot water bath

Specifications: Temperature: 48 to 53°C.



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	Bupivacaine Hydrochloride 30 mg/mL Injection (Solution, 30 mL)	FIN	F 000 213v2						
3.	Powder to medium integration:								
	A. Using the hot water bath, in the given order, sequentially add the following ingredients to the Sterile Water For Injection (29.0 mL <i>plus</i> processing error adjustments):								
	Bupivacaine Hydrochloride (Monohydrate)Sodium Chloride								
	Specifications: Continuously mix until all solid particles have completely dissolved. Maintain temperature between 48 and 53°C.								
	End result: Homogenous liquid-like solution								
	Note: Add the next ingredient, once the previous one has been completely added and dissolve	ed.							
4.	Cooling: A. Remove from the hot water bath and gently stir the homogeneous liquid-like solution (Step 3A) as it cools down to room temperature (20°C - 23°C). End result: Homogeneous liquid-like solution.								
5.	Filling to volume: A. Add additional Sterile Water For Injection to the mixture (Step 4A) to fill to the required bate processing error adjustments). Specification: Continuously mix. End result: Homogeneous liquid-like solution.	h size (30.0 mL <i>plus</i>						
6.	Filtering 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 m solution must be discarded and remade.	ight be	defective, the						



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Suggested Formula

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FIN

Sterility testing:

Validate the Test sample for sterility and endotoxins, in accordance to current USP 797 regulatory guidelines.

SUGGESTED PRESENTATION

Estima Beyond-Use D		14 days, refrigerated. BUD based on a successful sterility and endotoxin test result.	Packag Requireme		Sterile, unit dose injection vials.			
	1	Use as directed. Do not exceed dose.	l prescribed	5	Keep refrigerated. Do not freeze.			
	2	Keep out of reach of children.		6	Do not use if discolored.			
Auxiliary Labels	3	Equilibrate to room temperature	before use.	7	Discard container after use.			
	4	Discard in the presence of matter.	particulate	8	Consult your health care practitioner if any prescription or over-the-counter medications are currently being used or are prescribed for future use.			
Pharmacist Instructions	Add any auxiliary labels specific to the API to the dispensing container as deemed necessary.							
Patient Instructions	If adverse reactions occur, contact your pharmacist							



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REF	EFERENCES										
	1.	USP <797> Pharmaceutical Compounding – Sterile Preparations. US Pharmacopeial Convention, Inc. <i>United States Pharmacopeia XXVIII / National Formulary 23</i> . Rockville, MD. 2004: 2461.									
	2.	Marcaine (Monograph). In: Canadian Pharmacists Association. Compendium of Pharmacists and Specialties, 2003.									
	3.	Sensorcaine (Monograph). In: Canadian Pharmacists Association. Compendium of Pharmacists and Specialties, 2003.									
	4.	Bupivacaine (Monograph). In: O'Neil MJ. <i>The Merck Index 13th Edition</i> . Whitehouse Station, NJ: Merck & Co, Inc.; 2001: 251.									
	5.	Buffered Isotonic Solutions. In: Martin A. <i>Physical Pharmacy, Fourth Edition</i> . Philadelphia, PA: Lipponcott Williams & Wilkins; 1993:169-89.									
	6.	Gennaro AR, ed. <i>Remington: The Science and Practice of Pharmacy, 20th Edition.</i> Baltimore, MD: Lippincott Williams & Wilkins; 2000: 613-27.									
	7.	Bupivacaine Hydrochloride (Monograph). In: Trissel LA. <i>Trissel's Stability of Compounded Formulations</i> , 2 nd Edition. American Pharmaceutical Association; 2000: 47.									