

TOLL-FREE: 866-333-7811 TELEPHONE: 514-905-5096 FAX: 514-905-5097 technicalservices@medisca.net

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Suggested Formula	Hydromorphone Hydrochloride 0.1 mg/mL Intravenous Injection (Solution, 55 mL)	FIN	F 003 715
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SUGGESTED FORMULATION

Ingredient Listing	Qty.	Unit	NDC#	Supplier	Lot Number	Expiry Date
Hydromorphone Hydrochloride 2 mg/mL Injection (sterile)	2.75	mL				
Sodium Chloride 0.9% for Injection, USP (sterile)	52.3	mL				

SPECIAL PREPARATORY CONSIDERATIONS

Ingredient-Specific Information		
Controlled substance (adhere to documentation procedures)	p proper handling and	Hydromorphone Hydrochloride
Light sensitive (protect from lig	ht whenever possible):	Hydromorphone Hydrochloride
Suggested Preparatory Guidelines		Ox
Non-Sterile Preparati	on Sterile Preparation	
Processing Error / Testing Considerations:		sterility and endotoxin testing considerations during sure an additional 5 to 9% of the required quantities
Special Instruction:	environmental conditions, following	thin the appropriate facilities under adequate ing the necessary guidelines and procedures as stated qualified personnel must prepare this formula.
	All heat stable, reusable materials by dry heat sterilization at 250°C f	and equipment must be sterilized and depyrogenated for 2 hours prior to use.
	Every batch of final product comp endotoxin tested before being disp	ounded using this procedure must be sterility and ensed.
		e gown, sterile gloves, shoe covers, head cap, ways be worn. In addition, proper personnel ering the buffer or clean area.
		by performing a filter stress test. If the test be defective, the solution must be discarded and
		very small quantities of ingredients. All calculations e verified before dispensing the final product.



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SUGGESTED PREPARATION (for 55 mL)

Weigh and / or measure the following ingredients when appropriate:

Ingredient Listing	Qty.	Unit	Multiplication factor (*):	Processing Error	Qty. to measure
Hydromorphone Hydrochloride 2 mg/mL Injection (sterile) §	2.75	mL			
Sodium Chloride 0.9% for Injection, USP (sterile) §	52.3	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.	Medium integration:
	Note: All manipulations must be done under a laminar airflow hood. Disinfect the commercial vials with Alcohol 70% prior to withdrawing the required amount of liquid.
	A. Incrementally add the Hydromorphone Hydrochloride 2 mg/mL Injection (sterile) to the Sodium Chloride 0.9% for Injection (sterile)
	<u>Specifications</u> : Continuously mix.
	End result: Homogeneous liquid-like solution.
3.	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.
4.	Sterility testing:
	Validate the Test sample for sterility and endotoxins, in accordance to current USP 797 regulatory guidelines.



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SUGGESTED PRESENTATION

JGGESTED PRI	- 5E	NIATION					
Estimated Beyond-Use Date		14 days, refrigerated. BUD based on a successful sterility and endotoxin test result.	D .		Sterile, tight, light-resistant injection vials.		
	1	Use as directed. Do not exceed dose.	d prescribed	8	Do not used if product changes color.		
	2	Keep out of reach of children.		9	Protect from light.		
	3	Keep refrigerated. Do not freeze	•	10	Discard container after use.		
Auxiliary	4	Do not take with alcohol, sleep aids, tranquilizers or other CNS depressants.			May produce psychological and/or physical dependence.		
Labels	5	May impair mental and/or physic Use care when operating a car or machinery.		12	Controlled substance. Dangerous unless used as directed.		
	6	Consult your health care practition other prescription or over-the-comedications are currently being prescribed for future use.	ver-the-counter lay being used or are Discard in the presence of particulate mat				
	7	For medical office use only.	7				
Pharmacist	Ad	d any auxiliary labels specific to t	he active ingr	edien	ts to the dispensing container as deemed necessary.		
Instructions	IM	IPORTANT: TO BE ADMIN	ISTERED	ONL	Y BY THE PRESCRIBING PHYSICIAN.		
Patient Instructions	Co	ntact your pharmacist in the event	of adverse re	action	ns.		



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4.	Hydromorphone Hydrochloride. In: Trissel LA. <i>Trissel's Stability of Compounded Formulations</i> , 3 rd Edition. American Pharmaceutical Association; 2005: 216.
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