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Suggested	Mupirocin 2%, Vancomycin 5% Topical Ointment (Suspension, 100 g)	FIN	F 006 363
Formula	Muphoem 2%, Valcomyem 5% Topical Ontinent (Suspension, 100 g)	1.114	1.000.303

SUGGESTED FORMULATION

Ingredient Listing	Qty.	Unit	NDC #	Supplier	Lot Number	Expiry Date
Mupirocin, USP	TBD					
Vancomycin Hydrochloride, USP	TBD					
Polyethylene Glycol 300, NF	4.5	mL				
Medisca AlpaWash TM	TBD					

SPECIAL PREPARATORY CONSIDERATIONS

Ingredient-Specific Information

Light sensitive (protect from light whenever possible):

Hygroscopic (protect from moisture whenever possible):

Suggested Preparatory Guidelines

Vancomycin Hydrochloride

Vancomycin Hydrochloride, Polyethylene Glycol 300

Non-Sterile Preparat	ion Sterile Preparation
<u>Processing Error /</u> <u>Testing Considerations</u> :	To account for processing error considerations during preparation, it is suggested to measure an additional 5 to 9% of the required quantities of ingredients.
Special Instruction:	Protective apparel, such as a lab coat, disposable gloves, eyewear and face-masks should always be worn.
	This procedure requires the use of very small quantities of ingredients. All calculations and preparation techniques must be verified before dispensing the final product.



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SUGGESTED PREPARATION (for 100 g)

Weigh and / or measure the following ingredients when appropriate:

Ingredient Listing	Qty.	Unit	Multiplication factor ^(*) :	Processing Error	Qty. to measure
Mupirocin, USP	TBD				
Vancomycin Hydrochloride, USP §	TBD				
Polyethylene Glycol 300, NF §	4.5	mL			
Medisca AlpaWash TM	TBD		8		

§ Weigh / measure just prior to use.

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

	Preparatory Instruction	
Ing	gredient quantification:	
A.	Determine the quantity (in g) of Mupirocin required to make a Mupirocin 2% Topi (100 g):	cal Ointment, batch size
	Quantity of Mupirocin required for 100 g	2 000 mg
	DIVIDED BY	
	Assay result (from certificate of analysis: $\mu g/mg = mg/g$)	µg/mg
	EQUALS	
	i. Quantity of Mupirocin needed for 100 g	g
	MULTIPLIED BY	
	Processing error adjustments (5 to 9%)	1.05 to 1.09
	EQUALS	
	ii. Quantity of Mupirocin needed <i>plus</i> processing error adjustments	g



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	ggested formula Mupirocin 2%, Vancomycin 5% Topical Ointment (Suspension, 100 g)		FIN	F 006 363
2.	Ingro	edient quantification:		
	Α. Ι	Determine the potency of Vancomycin Hydrochloride based on the certificate of analysis	:	
			100)%
	N	AINUS		
	V	Vater Content (from certificate of analysis)		%
	Ι	DIVIDED BY	100)
	E	EQUALS		
	0	Quantity of water free Vancomycin Hydrochloride, in decimal		
	N	AULTIPLIED BY		
	A	Assay (base equivalent) on anhydrous basis result (from certificate of analysis)		μg/mg
	N	AULTIPLIED BY (Multiplication factor – μ g to grams /mg to grams)	0.0	01
	E	EQUALS		
	i	Potency of Vancomycin Hydrochloride (Base equivalent) in g/g		



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	gested ormula	Mupirocin 2%, Vancomycin 5% Topical Ointment (Suspension, 100 g)	FIN	F 006 363			
3.	Ingre	Ingredient quantification:					
		Determine the quantity (in g) of Vancomycin Hydrochloride to make a Vancomycin (Bas atch size (100 g):	se) 5%	Topical Ointment,			
	C	Quantity of Vancomycin (Base) required for 100 g		5.000 g			
	Γ	DIVIDED BY					
	F	Potency of Vancomycin Hydrochloride (Base equivalent) in g/g (Step 2Ai)	-				
	E	QUALS					
	i	Quantity of Vancomycin Hydrochloride needed for 100 g	-	g			
	N	IULTIPLIED BY					
	F	Processing error adjustments (5 to 9%)	1	.05 to 1.09			
	E	CQUALS					
	i	a. Quantity of Vancomycin Hydrochloride needed <i>plus</i> processing error adjustment	s _	g			



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4.		edient quantification: Determine the actual quantity of AlpaWash™ to weigh for the required batch size (100 g)):	
		otal Weight of the batch		100.00 g
	Т	otal amount of Polyethylene Glycol 300		5.04 g
	Т	AINUS The weight of Mupirocin (Step 1Ai)	-	g
	Г	AINUS The weight of Vancomycin Hydrochloride (Step 3Ai)	_	g
	i.	QUALS Quantity of AlpaWash™ needed for 100 g	-	g
	Р	AULTIPLIED BY Processing error adjustments (5 to 9%)	1	.05 to 1.09
		CQUALS a. Weight of AlpaWash™ required <i>plus</i> processing error adjustments	_	g
5.	Powd	ler-liquid preparation:		
	-] -` B. L	Combine and triturate the following ingredients together to form a fine homogeneous pov Mupirocin (amount determined in Step 1Aii) Vancomycin Hydrochloride (amount determined in Step 3Aii) evigate the fine, homogeneous powder blend (Step 5A) with the Polyethylene Glycol 30		end:
	E	and result: Homogeneous paste-like dispersion.		



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6.	6. Powder-liquid to medium integration:						
		ncrementally add the homogeneous paste-like dispersion (Step 5B) to the AlpaWash™ (atep 4Aii).	amoun	t determined in			
	Specifications: Continuously mix, using high-shear mixing techniques.						
	End result: Homogeneous gel-like dispersion.						
	B. If the final result is gritty, pass it through the ointment mill until it becomes smooth and uniform.						
7.	Prod	uct transfer:					
	Transfer the final product into the specified dispensing container (see "Packaging Requirements").						

SUGGESTED PRESENTATION

	Estimated Beyond-Use Date		6 months, as per USP*.	Packa Requirem		 Tightly closed, light-resistant container. To be administered with a metered-dose measuring device. 	
		1	Use as directed. Do not exceed dose.	d prescribed	5	Protect from light.	
		2	Keep out of reach of children.	Y	6	Cap tightly after use.	
Auxilian Labe	-	3	Consult your health care practic other prescription or over medications are currently being prescribed for future use.	-the-counter	7	For external use only.	
		4	Keep in a dry place.		8	Keep at room temperature $(20^{\circ}C - 23^{\circ}C)$.	
	Pharmacist Instructions Note: This non-sterile formulation, as per USP <3>, should not be applied to an open wound or burned area. If this formulation will be applied to an open wound or burned area, it must be prepared within the appropriate facilities under adequate environmental conditions, following the necessary guidelines and procedures as stated within USP <797>. Also, in consideration of the overall formulation make-up and following the manufacturer's specifications, the suggested method of end- stage sterilization is gamma irradiation. The resulting BUD will be 30 days, as per USP <797>, based on a successful sterility test result. Add any auxiliary labels specific to the API to the dispensing container as deemed necessary.						
Patie	nt	Co	ntact your pharmacist in the event	t of adverse re	action	15.	
Instruction	18	IMPORTANT: The quantity of API administered is directly dependent on the quantity of product applied.					

* The BUD is not later than the time remaining until the earliest expiration date of any API or 6 months, whichever is earlier.



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