

TELEPHONE: 514-905-5096 FAX: 514-905-5097 technicalservices@medisca.net

7/15/2022; Page 1

	·		
Suggested Formula	Benzocaine 20%, Lidocaine 6%, Tetracaine 4% Topical Cream (Emulsion,100 g)	FIN	F 009 529

SUGGESTED FORMULATION

Ingredient Listing	Qty.	Unit	NDC #	Supplier	Lot Number	Expiry Date
Benzocaine, USP	20.000	g				
Lidocaine, USP	6.000	g				
Tetracaine, USP	4.000	g				
Medisca VersaPro TM Cream Base	35.00	g				
Medisca VersaPro TM Cream Base	35.00	g				





TELEPHONE: 514-905-5096 FAX: 514-905-5097 technicalservices@medisca.net

7/15/2022; Page 2

Suggested Formula

Benzocaine 20%, Lidocaine 6%, Tetracaine 4% Topical Cream (Emulsion, 100 g)

FIN

F 009 529

SPE

CIAL PREPARATORY CONSI	DERATIONS					
Ingredient-Specific Information						
Narrow Therapeutic Index:		Lidocaine				
Light Sensitive (protect from li	ght whenever possible):	Benzocaine, Tetracaine,				
Eutectic Mixture when combin	ned:	Lidocaine, Tetracaine				
Suggested Preparatory Guidelines		©				
Non-Sterile Preparat	ion	CA				
Processing Error / Testing Considerations:		or considerations during preparation, it is suggested to of the required quantities of ingredients.				
Special Instruction:	may be classified as hazardous, Antineoplastic and Other Hazar General Chapter <800> Haza informational and not compend and enforcement bodies. For in implementation context for US	or more Active Pharmaceutical Ingredients (APIs) that please refer & verify the current NIOSH list of redous Drugs in Healthcare Settings. At this time, ardous Drugs – Handling in Healthcare Settings is ially applicable unless otherwise specified by regulators formation on the scope, intended applicability, and P General Chapter <800>, see: https://doi.org/10.1001/j.com/10.100				
	environmental conditions, followithin <i>USP 795</i> and <i>USP 800</i> , qualified personnel must preparable. All required personal protectives	e equipment (hazardous if applicable), such as but not				
	dedicated shoe covers, hairnet,	sleeves, gloves both inner and outer if applicable, beard cover, eyewear, appropriate face mask, respirator licable must be worn at all times.				
		d procedures for hazardous drug handling including but asport, storage, preparation, dispensing, administration,				
	If you are a registered 503B fac	cility, please refer to all relevant guidance documents				

including but not limited to the Code of Federal Regulations (CFR), Guidance for Industry (GFIs) and Compliance Policy Guides (CPGs).

Lidocaine has a Narrow Therapeutic Index.

This procedure requires the use of very small quantities of ingredients. All calculations and preparation techniques must be verified before dispensing the final product.



TELEPHONE: 514-905-5096 FAX: 514-905-5097 technicalservices@medisca.net

7/15/2022; Page 3

Suggested Formula	Benzocaine 20%, Lidocaine 6%, Tetracaine 4% Topical Cream (Emulsion,100 g)	FIN	F 009 529
----------------------	--	-----	-----------

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
Benzocaine, USP §	20.000	g			
Lidocaine, USP	6.000	g			
Tetracaine, USP §	4.000	g	©		
Medisca VersaPro TM Cream Base	35.00	g			
Medisca VersaPro TM Cream Base	35.00	g	11		

- * Takes into account increased batch size conversions and density conversions, if required.
- § Weigh / measure just prior to use.

Preparatory Instruction

1. Powder-liquid preparation:

- A. By geometric addition, combine and triturate the following ingredients together to form a fine, homogeneous powder blend:
 - -Benzocaine
 - -Lidocaine
 - -Tetracaine
- B. Levigate the fine, homogeneous powder blend (Step 1A) with the VersaProTM Cream Base (35.00 *plus* processing error adjustments)

End result: Homogeneous cream-like dispersion.

2. Medium Integration:

A. Add additional VersaPro[™] Cream Base (35.00 *plus* processing error adjustments) to the homogeneous cream-like dispersion (Step 1B).

Specifications: Continuously mix, using high-shear mixing techniques.

End result: Homogeneous cream-like dispersion.

B. If the final result is gritty, pass it through the ointment mill until it becomes smooth and uniform.

3. **Product transfer:**

Transfer the final product into the specified dispensing container (see "Packaging Requirements").



TELEPHONE: 514-905-5096 FAX: 514-905-5097 technicalservices@medisca.net

7/15/2022; Page 4

Suggested Formula Benzocaine 20%, Lidocaine 6%, Tetracaine 4% Topical Cream (Emulsion, 100 g) FIN F 009 529

SUGGESTED PRESENTATION 150 days ongoing at 25°C ± Tightly closed, light-resistant ointment tube or 2°C, based on available Packaging wide-mouth container with metered topical stability studies through Requirements applicator. Medisca* The current BUD associated with this formula was updated as study results were received. Suggested BUD is based on the exact execution of the indicated ingredient list, quantities and procedures listed within this formulation. Estimated Beyond-Use Date This data is provided for informational purposes only, representing the results of a study of the Note: product stability with various active pharmaceutical ingredients. It does not serve, and may not be construed, as a representation or guarantee of product performance. In all cases the practitioner is advised to consult recognized pharmaceutical compendia and other recognized sources for product formulation and other product characteristics, including stability. MEDISCA Network Inc. makes no warranties or representations with regard to the functioning or appropriateness of this product in any compounded formulation, which use is solely at the discretion and liability of the practitioner. 6 1 Keep out of reach of children. Use as directed. Do not exceed prescribed dose. 2 Keep in a dry place. Protect from light. 3 8 For external use only. Cap tightly after use. Auxiliary Labels Consult your health care practitioner if any Keep at controlled room temperature (20°C prescription or over-the-counter medications are −25°C). currently being used or are prescribed for future use. Do not take with alcohol, sleep aids, May impair mental and/or physical ability. Use care 10 tranquilizers or other CNS depressants. when operating a car or machinery. Add any auxiliary labels specific to the API to the dispensing container as deemed necessary. **IMPORTANT:** - Small batch is prepared due to inherent potential of systemic toxicity. - Limits as to the total amount of product used should be established by a physician. - You should not apply this product to open wounds, areas of skin that are damaged or **Pharmacist** blistered, deep wounds, or large areas. Instructions - Continued application of this product might produce systemic side effects. Advise patient accordingly. IMPORTANT: DRUG-DRUG INTERACTIONS EXIST BETWEEN DIFFERENT DRUG COMBINATIONS WITHIN THIS FORMULATION. TO BE DISPENSED AND ADMINISTERED ONLY UNDER THE CLOSE SUPERVISION OF THE PRESCRIBING PHYSICIAN. Contact your pharmacist in the event of adverse reactions. Patient **IMPORTANT:** - Do not cover the site of application. Instructions - The quantity of API administered is directly dependent on the quantity of product applied.



TELEPHONE: 514-905-5096 FAX: 514-905-5097 technicalservices@medisca.net

7/15/2022; Page 5

Suggested Formula	Benzocaine 20%, Lidocaine 6%, Tetracaine 4% Topical Cream (Emulsion,100 g)	FIN	F 009 529
----------------------	--	-----	-----------

REFERENCES

1.	Ointments, Creams, and Pastes. In: Allen, LV, Jr. <i>The Art, Science, and Technology of Pharmaceutical Compounding Fifth Edition</i> . American Pharmacists Association; 2016: 317.
2.	Xylocaine Oinment 5%. In: Canadian Pharmacists Association. <i>Compendium of Pharmacists and Specialties</i> , 2017: 3949.
3.	Benzocaine. In: Brayfield, A., ed. <i>Martindale: The Complete Drug Reference, 38th Edition.</i> London, England: The Pharmaceutical Press; 2014: 1980.
4.	Lidocaine. In: Brayfield, A., ed. <i>Martindale: The Complete Drug Reference, 38th Edition</i> . London, England: The Pharmaceutical Press; 2014: 198.
5.	Tetracaine. In: Brayfield, A., ed. <i>Martindale: The Complete Drug Reference</i> , 38 th Edition. London, England: The Pharmaceutical Press; 2014: 1996.
6.	Benzocaine (Monograph). In: O'Neil MJ. <i>The Merck Index 15th Edition</i> . Whitehouse Station, NJ: Merck & Co, Inc.; 2013: Monograph #1088.
7.	Lidocaine (Monograph). In: O'Neil MJ. <i>The Merck Index 15th Edition</i> . Whitehouse Station, NJ: Merck & Co, Inc.; 2013: Monograph #5535.
8.	Tetracaine Hydrochloride (Monograph). In: O'Neil MJ. <i>The Merck Index 15th Edition</i> . Whitehouse Station, NJ: Merck & Co, Inc.; 2013: Monograph #9333.
9.	Benzocaine. In: Trissel LA. <i>Trissel's Stability of Compounded Formulations</i> , 5 th Edition. American Pharmaceutical Association; 2012: 62.
10.	Tetracaine In In: Trissel LA. <i>Trissel's Stability of Compounded Formulations</i> , 5 th Edition. American Pharmaceutical Association; 2012: 463.
11.	Benzocaine (Monograph). <i>United States Pharmacopeia XLIII / National Formulary 38</i> . Rockville, MD. US Pharmacopeial Convention, Inc. 2020: 502.
12.	Lidocaine (Monograph). <i>United States Pharmacopeia XLIII / National Formulary 38.</i> Rockville, MD. US Pharmacopeial Convention, Inc. 2020: 2620.
13.	Tetracaine (Monograph). <i>United States Pharmacopeia XLIII / National Formulary 38</i> . Rockville, MD. US Pharmacopeial Convention, Inc. 2020: 4292.
14.	Benzocaine. US Pharmacopeial Convention, Inc. <i>USP DI – Drug Information for the Health Care Professional</i> , 26 th <i>Edition</i> . Taunton, MA: 2006: 194.
15.	Lidocaine. US Pharmacopeial Convention, Inc. <i>USP DI – Drug Information for the Health Care Professional</i> , 26 th <i>Edition</i> . Taunton, MA: 2006: 196.
16.	Tetracaine. US Pharmacopeial Convention, Inc. <i>USP DI – Drug Information for the Health Care Professional</i> , 26 th <i>Edition</i> . Taunton, MA: 2006: 197.
17.	USP <795>. <i>United States Pharmacopeia XLIII / National Formulary 38.</i> Rockville, MD. US Pharmacopeial Convention, Inc. 2020: 7025.

DISCLAIMER: THIS DOCUMENT IS COPYRIGHT© 2022 MEDISCA PHARMACEUTIQUE INC. MEDISCA NETWORK INC., HEREBY REFERRED TO AS 'THE NETWORK', HAS PROVIDED THE FORMULA AND INSTRUCTIONS ABOVE AS A MODEL FOR EDUCATIONAL PURPOSES ONLY ON THE BASIS OF THE RECOGNIZED COMPENDIA AND TEXTS REFERENCED AT THE END OF THIS DOCUMENT. THE NETWORK TAKES NO RESPONSIBILITY FOR THE VALIDITY, SCHEDULING OR ACCURACY OF THIS INFORMATION OR FOR ITS SAFETY OR EFFECTIVENESS, NOR FOR ANY USE THEREOF, WHICH IS AT THE SOLE RISK OF THE LICENSED PHARMACIST OR OTHER APPROPRIATELY STATE LICENSED PROFESSIONAL. ADJUSTMENTS MAY BE NEEDED TO MEET SPECIFIC PATIENT NEEDS AND IN ACCORDANCE WITH A LICENSED PRESCRIBER'S PRESCRIPTION. THE PHARMACIST OR OTHER APPROPRIATELY STATE LICENSED PROFESSIONAL MUST EMPLOY APPROPRIATE TESTS TO DETERMINE THE STABILITY OF THIS SUGGESTED FORMULA. THE NETWORK CANNOT BE HELD LIABLE TO ANY PERSON OR ENTITY CONCERNING CLAIMS, LOSS, OR DAMAGE CAUSED BY, OR ALLEGED TO BE CAUSED BY, DIRECTLY OR INDIRECTLY, THE USE OR MISUSE OF THE INFORMATION CONTAINED IN THIS SUGGESTED FORMULA. IN ALL CASES IT IS THE RESPONSIBILITY OF THE LICENSED PHARMACIST OR OTHER APPROPRIATELY STATE LICENSED PROFESSIONAL TO KNOW THE LAW, TO COMPOUND ANY FINISHED PRODUCT AND TO DISPENSE THESE PRODUCTS IN ACCORDANCE WITH FEDERAL AND STATE LAW. MEDISCA NETWORK INC. MAKES NO WARRANTIES WITH RESPECT TO INFRINGEMENT OR NON-INFRINGEMENT BY THE FORMULA OF ANY PATENT OR OTHER INTELLECTUAL PROPERTY OF ANY OTHER PARTY, AND IT IS THE RESPONSIBILITY OF THE PHARMACIST OR OTHER APPROPRIATELY STATE LICENSED PROFESSIONAL TO INVESTIGATE AND DETERMINE ANY SUCH ISSUE.