Niosome Cream Heavy Base

Catalog Number B4506

Spectrum Pharmacy Products introduces niosome-forming compounding bases for enhanced absorption of commonly compounded APIs. These bases offer unique biochemical and physical characteristics not exhibited by traditional liposome emulsions, including improved transdermal absorption of active pharmaceutical ingredients (APIs) into the patient's system, and a more stabilizing encapsulation for a range of drug types.

Why Choose Niosome Cream Heavy Base?

- Higher API loads and solvent concentrations
- Enhanced rate and extent of adsorption of common API's
- Smooth and less oily than liposomes
- Capable of entrapping hydrophilic, hydrophobic and amphiphilic APIs in the Niosome

Niosome Cream Heavy Base Properties:

pH	4.0 – 8.0
Specific Gravity	0.90-1.10 g/mL
Viscosity	110,000 cps
Physical Format	Heavy Cream
Color	Off-white
Transdermal Penetration	++++
API Compatibility	Hydrophlic 30%, Lipophilic 40%, Amphiphilic 30% Total API Load 40%
Typical Applications	Dermatology, Pain Management, Sports Medicine, Veterinary Medicine

Niosome Cream Heavy

Niosome Cream Heavy offers niosome -enhanced technology for rapid and extensive transdermal absorption than traditional liposomal bases and formulated for APIs with high molecular weight or in high concentrations, without reducing viscosity.

Sample Formulas

Amitriptyline Hydrochloride Transdermal:	Pain Management Cream:	Magnesium Cream:
Amitriptyline Hydrochloride 2.5%	Ketamine Hydrochloride 10%	Magnesium Chloride 10%
Niosome Cream Heavy qs 100%	Pentoxifylline 6%	DMSO 10%
	Clonidine Hydrochloride 0.2%	Peppermint Oil 1%
	DMSO 6%	Niosome Cream Heavy qs 100%
	Niosome Cream Heavy qs 100%	

Item No.	NDC No.	Size
B4506-1LB	49452-0862-01	1 LB
B4506-8LB	49452-0862-02	8 LB
B4506-40LBBL	49452-0862-03	40 LB

What Are Niosomes?

Spectrum's niosome bases serve as biochemical carriers for compounded drugs, helping the APIs to absorb through the skin. Traditional bases typically form liposomes, or spherical lipid bilayers, that surround a drug molecule and help in transdermal delivery. Niosomes are structurally similar to liposomes but due to different biochemical makeup offer potentially significant improvements, including:

- Enhanced rate and extent of absorption of common API
- Simpler preparation from non-ionic single-chain surfactants and cholesterol
- Increased stability of entrapped drug versus liposome
- Better compatibility with biological systems and lo toxicity due to their non-ionic nature
- Broader drug class accommodation including hydrophilic lipophilic and amphiphilic drugs
- Less oily feel than liposome
- Improved therapeutic performance
- Increased bio-availability into the system
- More controlled delivery to target cell