



# Niosome Hormone Cream Heavy Base

Catalog Number B4504

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 Hormone Cream Heavy Base?

- Higher API loads and solvent concentrations
- Contains no perfumes or dyes
- Paraben free
- Sustained transdermal penetration of lipophilic, hydrophilic and amphiphilic APIs
- Ideal for vaginal preparations

## Niosome Hormone 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	Hydrophilic 30%, Lipophilic 40%, Amphiphilic 30% Total API Load 40%
Typical Applications	Hormone Replacement, Dermatology

# Niosome Hormone Cream Heavy

**Niosome Hormone Cream Heavy** promotes more 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

Hormone Cream:	Progesterone Vaginal Cream:	Skin Lightening Cream:
Estradiol 0.05%	Progesterone 5%	Hydroquinone 8%
Estriol 0.4%	Glycerin 4%	Kojic Acid 1%
Estrone 0.05%	Niosome Hormone-Heavy qs 100%	Retinoic Acid 0.1%
Testosterone 0.2%		Fluocinolone Acetonide 0.025%
Testosterone 2%		Niacinamide 4%
Niosome Hormone Cream-Heavy qs 100%		Sodium Metabisulfite 0.3%
		Glycerin 10%
		Niosome Hormone Cream-Heavy qs 100%



Item No.	NDC No.	Size
B4504-1LB	49452-0861-01	1 LB
B4504-8LB	49452-0861-02	8 LB
B4504-40LBBL	49452-0861-03	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 low 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