



Niosome Hormone Cream Base

Catalog Number B4508

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 Base?

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

Niosome Hormone Cream Base Properties:

pH	4.0 – 8.0
Specific Gravity	0.90-1.10 g/mL
Viscosity	9,000 cps
Physical Format	Light Cream
Color	Off-white
Transdermal Penetration	+++
API Compatibility	Lipophilic 20%, Hydrophilic 10%, Amphiphilic 10% Total API Load 20%
Typical Applications	Hormone Replacement, Dermatology

Niosome Hormone Cream

Niosome Hormone Cream uses Niosome technology designed for hormone therapy and capable of promoting absorption of hormones/active ingredients that are lipophilic, hydrophilic or amphiphilic. Hypoallergenic formulation contains no perfumes, dyes or parabens.

Sample Formulas

Testosterone Cream:	Hormone Cream:	Psoriasis Lotion:
Testosterone 1%	Estradiol 0.05%	LCD 3%
Glycerin 2%	Estriol 0.05%	Hydrocortisone 0.5%
Niosome Hormone Cream qs 100%	Progesterone 3%	Polysorbate 80 3%
	Ethoxy Diglycol qs	Propylene Glycol 10%
	Niosome Hormone Cream qs 100%	Niosome Hormone Cream qs 100%



Item No.	NDC No.	Size
B4508-1LB	49452-0863-01	1 LB
B4508-8LB	49452-0863-02	8 LB
B4508-40LBBL	49452-0863-03	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