












Base Comparison Chart

Transdermal Creams

Parameter	Anhydrous Base	Anhydrous Cream	Lipolayer	Lipopen Ultra	Lipopen Anhydrous
Description	Light beige anhydrous cream	Light beige anhydrous cream	Off-white to slightly yellow cream	White to off-white oil-in-water cream	White opaque thick cream
Water Content	Anhydrous	Anhydrous	Aqueous	Aqueous	Anhydrous
API Load Tolerance	Moderate (~20%)	Moderate (~20%)	Moderate (~20-30%)	High (40%)	Moderate (~20-30%)
Salt Tolerance					
Vanishing Properties					
Relative Viscosity	Light feel, anhydrous without greasiness	Light feel, anhydrous without greasiness	Smooth, medium viscosity	Smooth cream with vanishing properties	Smooth, thick cream with hydrating properties
Penetration Studies	Yes, in vitro penetration study with Progesterone available upon request	No	No	Yes, in vitro penetration study with Ketamine HCl, Gabapentin and others available upon request	No

 = Poor

 = Good

 = Great

 = Excellent











 = Yes


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Base Comparison Chart

Transdermal Creams

Parameter	PENCream	Pentravan Plus	Pentravan	Salt Durable	Salt Stable LO
Description	White, heavy, oil-in-water emulsion cream	Light yellow, oil-in-water emulsion cream	Light yellow, oil-in-water emulsion cream	Off-white unscented thick cream	Heavy light-yellow cream
Water Content	Aqueous	Aqueous	Aqueous	Aqueous	Aqueous
API Load Tolerance	Moderate (~20-30%)	Moderate (~20-30%)	Moderate (~15-20%)	High (~40%)	Moderate (~20-30%)
Salt Tolerance					
Vanishing Properties					
Relative Viscosity	Heavy cream with vanishing properties	Slightly thicker than Pentravan with vanishing properties	Light feel with a thin viscosity and vanishing properties	Heavy cream with vanishing properties	Heavy cream with vanishing properties
Penetration Studies	Yes, in vitro penetration study with Progesterone available upon request	Yes, penetration studies with some anti-nausea APIs such as Ondansetron available upon request	Yes, penetration studies with various APIs including Testosterone and Ketoconazole available upon request	No	No

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 = Great

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Base Comparison Chart

Transdermal Creams

Parameter	Salt Stable LS Advanced	Versatile
Description	Heavy off-white cream	White oil-in-water cream
Water Content	Aqueous	Aqueous
API Load Tolerance	High (~40%)	High (~40%)
Salt Tolerance	● ● ● ●	● ● ● ●
Vanishing Properties	● ● ● ●	● ● ● ●
Relative Viscosity	Heavy cream with smooth feel	Smooth hydrating cream with vanishing properties
Penetration Studies	Yes, in vitro penetration study with various pain APIs available upon request	Yes, in vitro penetration study with Ketamine HCl, Diclofenac and others available upon request

● = Poor

● ● = Good

● ● ● = Great

● ● ● ● = Excellent

✓ = Yes

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Base Comparison Chart

Creams and Ointments

BUD
studies
available

Parameter	Cleoderm	Cream Concentrate	Emollient Cream	HRT Heavy	Medium Cream
Description	White, low-viscosity oil-in-water vanishing cream	A thick white to off white cream able to hold large volumes of liquid	White, unscented homogenous heavy cream	White oil-in-water emulsion cream	White, homogenous, unscented, medium viscosity cream
Water Content	Aqueous	Aqueous	Aqueous	Aqueous	Aqueous
Vanishing Properties	● ● ● ●	● ● ● ●	● ● ● ●	● ● ● ●	● ● ● ●
Moisturizing Properties	● ● ● ●	● ● ● ●	● ● ● ●	● ● ● ●	● ● ● ●
Cosmetic Use	● ● ● ●	● ● ● ●	● ● ● ●	● ● ● ●	● ● ● ●
Vaginal Use	No	No	✓	✓	✓
Ingredients of Note	Hyaluronic Acid for skin hydration and a plant based anti-inflammatory ingredient	Shea butter and Petrolatum for hydration	Contains Petrolatum	Non-irritation ingredients	Contains Vitamin E for skin hydration

● = Poor

● ● = Good

● ● ● = Great

● ● ● ● = Excellent

✓ = Yes

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Base Comparison Chart

Creams and Ointments

BUD
studies
available

Parameter	Occluvan	Nourivan Antiox	Phytobase	Vanishing Cream
Description	White hydrophilic ointment	White medium viscosity cream	Natural, light, hydrophilic gel-cream	White, light viscosity cream
Water Content	Anhydrous	Aqueous	Aqueous	Aqueous
Vanishing Properties	● ● ● ●	● ● ● ●	● ● ● ●	● ● ● ●
Moisturizing Properties	● ● ● ●	● ● ● ●	● ● ● ●	● ● ● ●
Cosmetic Use	● ● ● ●	● ● ● ●	● ● ● ●	● ● ● ●
Vaginal Use	✓	No	✓	✓
Ingredients of Note	Preservative and Petrolatum free, made with natural vegetable oils and Vitamin E	Contains antioxidants to prevent degradation of oxidation-prone ingredients	Contains Vitamin E which may help vaginal atrophy or dryness	Contains hydrating ingredients such as Petrolatum



















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Base Comparison Chart

Gels

Parameter	Carbomer Gel Hydroalcoholic	Carbomer Gel Aqueous	Jelene	Nourisil	Pluronic Gels
Description	Translucent medium viscosity gel with alcohol smell	Translucent medium viscosity gel	Translucent plasticized base	Translucent thick silicone gel	Translucent gel, viscous at room temperature and liquid at cold temperatures (thermoreversible)
Water Content	Aqueous	Aqueous	Anhydrous	Anhydrous	Aqueous
API Carrying Capacity					
Salt Tolerance					
Topical or Transdermal	Topical or Transdermal	Topical	Topical	Topical	Topical, or mixed with Lecithin Organogel to create a transdermal PLO gel
Cosmetic Use					
Vaginal Use	No			No	
Ingredients of Note	Contains alcohol	Contains gentle non-irritating ingredients	Contains Mineral Oil and Polyethylene	Silicones designed to help protect the skin and mitigate scarring and Vitamin E for skin hydration	Contains gentle non-irritating ingredients

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 = Great

 = Excellent

 = Yes

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