Espumil™ foam base

Espumil™ foam base is an innovative, lipophilic foam base where the foam is generated by unique, foam activating packaging. The unique delivery features of Espumil™ foam base allow for the simple application of lipophilic active pharmaceutical ingredients (APIs) and dermaceutical ingredients (DCIs) on difficult-to-treat areas, such as hairy skin and the scalp, without dripping. Espumil™ foam base is an ideal and stable vehicle for the application of minoxidil. Espumil™ foam base is designed according to the latest insights into topical vehicle safety and maximum solubility properties for lipophilic APIs and DCIs.

Benefits of Espumil™ foam base

- Innovative base solution for easy compounding of foams
- Creamy foam formulation with minimal greasiness
- Light skin feel, drip-free
- Gentle formulation without gaseous propellants; the foam is activated by Fagron’s foam dispenser
- Often used for application on difficult-to-treat areas, such as hairy skin and the scalp
- Compatible with lipophilic APIs and DCIs, such as minoxidil
- Simple three-step compounding process

Fagron Advanced Derma
Leading advanced dermatological care

With Fagron Advanced Derma, patients offered a total solution for both customized prescription compounding and basic skin care based on:

- Vehicle design according to the latest scientific insights into the tolerance of ingredients used in dermatology
- Different bases for different skin types
- Suitability for vulnerable, sensitive skin
- Optimal compatibility with a broad range of APIs and DCIs
- Example formulations are provided for help with prescribing and compounding

Total solution
Discover Fagron Advanced Derma’s total solution by accessing the various information resources:

- Fagron Advanced Derma brochure
- Vehicle brochures
- Compatibility table
- Quality documents
- Compounding Matters formulations database
- Fagron Academy
- FACTS (Fagron Academy Compounding Technical Services)

fagron.us

Espumil™ foam base

Compounding with Espumil™ foam base

Fagron Advanced Derma offers a total solution for:
- Customized pharmaceutical compounding
- Basic skin care

Provides continuous care for the skin during the exacerbation and maintenance phases and guarantees maximum patient comfort for optimal compliance and results.

Example APIs and DCIs compatible with Espumil™ foam base:

<table>
<thead>
<tr>
<th>API/DCI</th>
<th>Common concentration(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alfatradiol (17α-estradiol)</td>
<td>0.025 to 0.05%</td>
</tr>
<tr>
<td>Caffeine</td>
<td>1 to 2%</td>
</tr>
<tr>
<td>Clobetasol propionate</td>
<td>0.05%</td>
</tr>
<tr>
<td>Finasteride</td>
<td>0.1%</td>
</tr>
<tr>
<td>Ketoconazole</td>
<td>2%</td>
</tr>
<tr>
<td>Latanoprost</td>
<td>0.005%</td>
</tr>
<tr>
<td>Melatonin</td>
<td>0.0033 to 0.1%</td>
</tr>
<tr>
<td>Menthol</td>
<td>1 to 3%</td>
</tr>
<tr>
<td>Minoxidil</td>
<td>2 to 5%</td>
</tr>
<tr>
<td>Prostaquinon™</td>
<td>3%</td>
</tr>
<tr>
<td>Tretinoin (vit. A acid)</td>
<td>0.01 to 0.1%</td>
</tr>
</tbody>
</table>

Please refer to the Fagron Advanced Derma compatibility table for more vehicle and API/DCI combinations.

Example compounding formulations for Espumil™ foam base

| Latanoprost 0.005%                  | Minoxidil 5%  | Clobetasol propionate 0.05%                  |
| Minoxidil 5% in Espumil™ foam base | Tretinoin (vit. A acid) 0.05% | Minoxidil 5% in Espumil™ foam base |
| Finasteride 0.1% for Espumil™ foam base | Prostaquinon™ 3% | Ketoconazole 2% in Espumil™ foam base |

Please refer to the Compounding Matters database at fagron.us for more formulations or learn more about FACTS (Fagron Academy Compounding Technical Services) @ fagronacademy.us/facts.

Time-saving, simple three-step compounding method

1. Calculate and weigh each ingredient.
2. Dissolve API and DCI in approximately ¾ of the required amount of Espumil™ foam base. If needed use a magnetic stirring hotplate (max. 50°C).
3. Filter the solution and add sufficient Espumil™ foam base to final weight, mix and dispense in Fagron foam dispenser.

Fagron foam dispenser

Foam-activating packaging to transform Espumil™ foam base into a foam without the use of gaseous propellants. Available in 100 mL size.

Each pump dispenses a single dose of 0.74 mL.

Disclaimer: Above are examples of some commonly prescribed formulations across a diverse array of specialties, and is not meant to encourage the use of any formula contained therein. Fagron, Inc., its owners, officers, agents, affiliates and employees make no representation or warranty whatsoever with respect to this Example Formula. Customer understands and agrees that Fagron, Inc., its owners, officers, agents, affiliates and employees shall not be responsible for any claims, actions, liabilities, losses, expenses, damages, judgment or costs arising directly or indirectly or related in any way to any actual or alleged injury to any person (including death) resulting or claimed to result wholly or in part from any formulation that is the same or similar to any Example Formula. No compounded medication is reviewed by the FDA for safety or efficacy. References available upon request.