



In it for life



Everything
for Inhalation



Fully integrated independent service provider in inhalation

Hovione offers customised high performance APIs, particle engineering and formulation along with a full range of simple, patented, cost-effective DPIs.



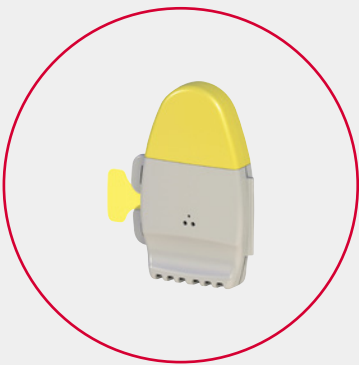
DISPOSABLE DPI



LARGE DOSE DPI



CAPSULE DPI



BLISTER DPI

Portfolio of Off Patent APIs

Our products are particle engineered to customised specifications using Hovione’s in-house micronisation capabilities.

- | | | |
|------------------|---------------|----------------|
| • Acclidinium | • Indacaterol | • Tiotropium |
| • Beclomethasone | • Mometasone | • Umeclidinium |
| • Fluticasone | • Salbutamol | • Vilanterol |
| • Glycopyrrolate | • Salmeterol | |

Dry Powder Formulation Services

- | | |
|--|-----------------|
| • Formulation development services | • Wet polishing |
| • Generic API with bespoke powder properties | • Jet milling |
| • Small-scale to commercial manufacturing | • Spray drying |
| • Precision capsule filling | • Scalability |

Particle Engineering Technologies

Unprecedented particle size control:

- Median particle size control down to 0.1 µm
- Spans down to 0.6
- At any scale

Advanced engineered particles for low and high dosages:

- Microencapsulation
- Nanocoating