DuoCoat®: An Innovative EUDRAGIT® based system

DuoCoat® is a cutting-edge enteric technology that targets drug release in the ileocolonic region for accelerated concentration onset and minimal exposure to efflux transporters and gut microbiota. This unique dual-layer system achieves significantly faster release compared to conventional polymer coatings.

The gastro-resistant formulation remains intact through the stomach. Influx of fluid in the small intestine causes the inner layer to swell and rapidly dissolve the polymer coating.

What makes DuoCoat® unique?

- Reliable gastric protection
- Accelerated release in the ileocolonic region
- Minimise exposure to efflux transporters and gut microbiota
- Target optimal absorption windows
- Reduced inter- and intra-subject variability
- Suitable for various drugs and dosage forms
- Conventional manufacturing
- Clinically proven
- Patent protected technology

Rapid and consistent results in humans

In both studies, DuoCoat® released over twice as fast as the conventional enteric polymer and demonstrated less variable results. DuoCoat® is a proprietary enteric technology to target drug release in the ileocolonic region. DuoCoat® offers a unique opportunity for product differentiation, life-cycle management or patent protection.

In vivo gamma scintigraphy study in 8 human subjects

In vitro release in bio-relevant dynamic dissolution model

DuoCoat® is a proprietary technology from Intract Pharma Ltd