

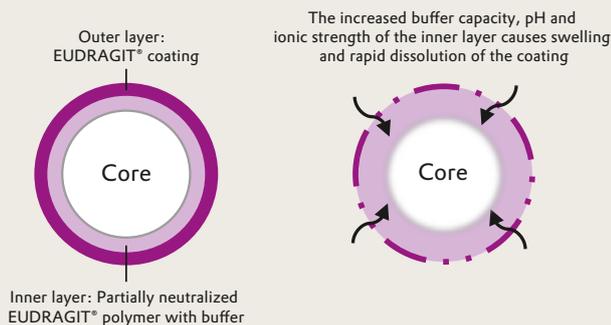
DuoCoat®

A superior gastro-resistant coating for rapid release in the upper small intestine

DuoCoat®: An Innovative EUDRAGIT® based system

DuoCoat® is a cutting-edge enteric technology that targets drug release in the upper small intestine 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 small intestine



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



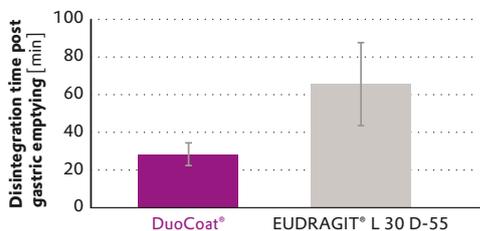
Clinically proven



Patent protected technology

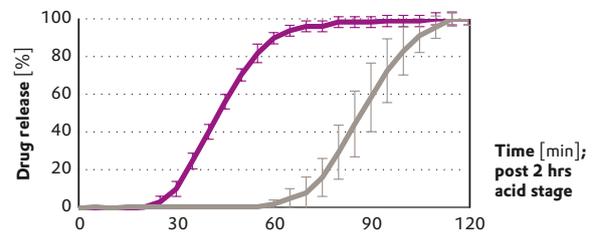
Rapid and consistent results in humans

In vivo gamma scintigraphy study in 8 human subjects



Source: Liu F, Basit AW. J. Control Release. 147 (2010), 242-5

In vitro release in bio-relevant dynamic dissolution model



Source: Merchant et al. Int. J. of Pharm. 475 (2014) 585-591

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 proximal small intestine. DuoCoat® offers a unique opportunity for product differentiation, life-cycle management or patent protection.

DuoCoat® is a proprietary technology from Intract Pharma Ltd

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EUDRATEC® - reg. trademark of Evonik Industries AG and its subsidiaries

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