



## Case Study

# Fast Dispersible Tablets – A Royalty-Free Line Extension Solution

**The Challenge** Patheon developed a coated tablet product for a medium-sized pharmaceutical company (which we still manufacture for the global market). The customer later requested that we develop a pediatric line extension: a fast dispersible tablet with the possibility of a divided dose, for titrating the dose to the age of the child.

**The Solution** Based on our knowledge and experience of the API, a strategy for fast dispersible tablet development was proposed. Prototype formulations were developed, followed by statistical design of experiments (DoE) to confirm the robustness of the product.

**The Outcome** A fast dispersible tablet was registered and successfully launched as a pediatric line extension upon NDA approval. Through flawless execution of a well-designed strategy, a suitable fast dispersible tablet was developed and commercialized successfully using a non-proprietary, royalty-free process.

