

## HyperStart® , Oral Solid Dose Starting Formulation Service: Predicting Performance and Accelerating Development

### What is it?

- Unique, formulation start up service for hydrophilic matrix systems
- Validated across a broad range of API dose and solubility
- Fully supported by extensive applications data across formulation, processing and testing of hydrophilic matrix systems

### Why use it?

- Free service to accelerate development of the hypromellose (HPMC) extended release platform
- Confidential: only non-specific basic drug and profile information required
- Access Colorcon's >25 years experience assisting customers developing hydrophilic matrices

### When to use it?

- Beginning of development programmes, concept testing stage
- Programmes partnered through routine follow-up and ongoing project support

### Where to use it?

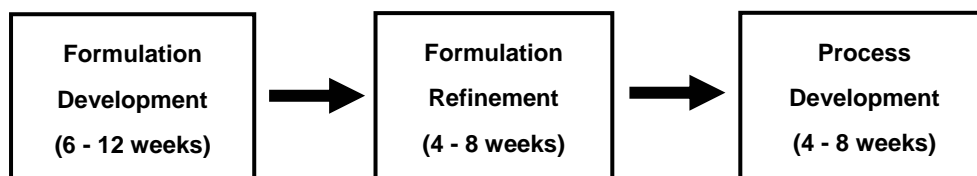
- Across the full range of API dose and solubility

### How to use it?

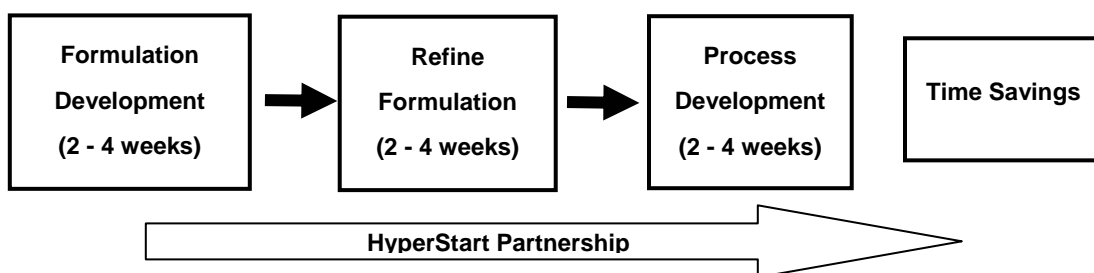
- Accessible through Colorcon's website ([www.colorcon.com](http://www.colorcon.com)) or in consultation with Colorcon Technical or Business Development Representatives

Colorcon has developed HyperStart specially designed to provide a starting formulation for hydrophilic matrix tablets using HPMC. The HyperStart predictive formulation model uses mathematical relationships supported and validated by extensive experimental data. The model generates an initial extended release formulation based on inputs including: drug dose and solubility, dosage weight, and target release profile. Using HyperStart and the formulation resources offered by Colorcon can simplify your development process and reduce the time for establishing an initial formulation as depicted below.

*Figure 1. Typical Matrix Development*



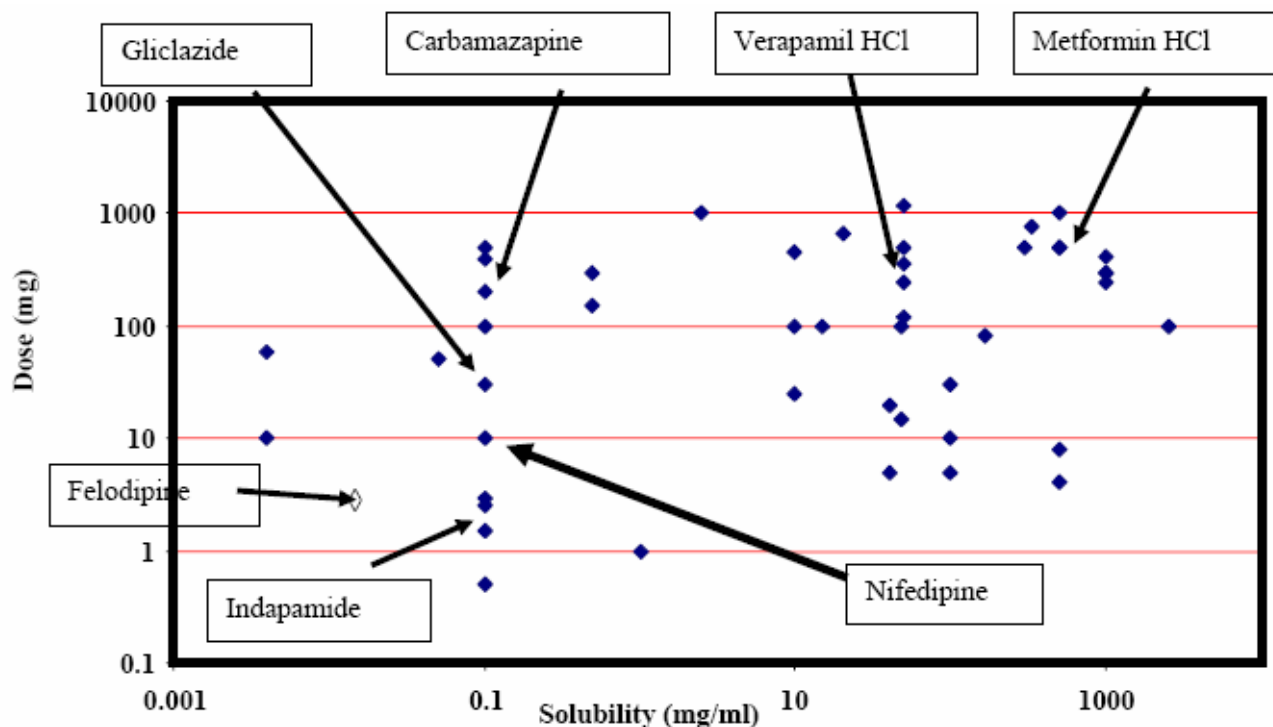
**Potential Formulation, Processing and Analytical Time Savings**



Formulations suggested by Colorcon also accompany process recommendations to meet your desired process train and accommodate preferences such as direct compression or granulation. Formulations can be designed for various rates of release and have been tested for a variety of model actives as shown in the dose-solubility chart in Figure 2.

In addition to the HyperStart service, Colorcon has an extensive library of METHOCEL™ hydrophilic matrix applications data representing drugs with a broad spectrum of dose and solubility. Our technical service groups are available to help modulate release profiles to fit your particular needs and provide additional samples for formulation and processing validation. You can access these additional services through your local Colorcon representative.

**Figure 2. Some Model Actives in the Dose-Solubility Chart Used for the Validation of HyperStart**



To access this free service, simply complete the HyperStart Formulation Questionnaire through the link below and Colorcon technical specialists will supply a start formulation tailored to your individual requirements: <http://www.colorcon.com/formulation/formulation-tools/formulation-hyper-start>.

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For more information, contact your Colorcon representative or call:

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You can also visit our website at [www.colorcon.com](http://www.colorcon.com)



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