



# Controlled Release Drug Delivery Design and Manufacture

With over 40 years of experience, Almac combines expertise in solid oral dosage form development and controlled release technologies to produce well-characterised and reproducible dosage forms that release within specifications.



# Controlled release approaches

Small and large scale technologies enable us to meet our clients' needs for controlled release drug products.



## Controlled release technology

Our formulations and manufacturing processes are robust and scalable, easing transfer between development and commercial facilities, whether in-house or with clients. Our capabilities at small and large scale include:

- Tablet compaction
- Perforated pan coating
- Fluid bed coating
- Encapsulation
- Wet and dry granulation
- Aqueous and organic solvent applications
- Powders, granules, multiparticulates (bead, pellet, mini-tablet), capsules & tablets
- Fixed-dose combinations
- Bimodal drug release profiles

## Analytical support

With a dedicated analytical team devoted to drug product activities, accurate and timely results are delivered throughout development and commercial production. Our experienced scientists specialise in method development and validation, stability study programs and troubleshooting product performance.

Matrix Systems	Film Coated Systems
Hydrophilic matrix tablets	Sustained/extended release coatings
Diffusion & erosion controlled systems	Enteric/delayed release coatings
Insoluble swellable matrices	Barrier membrane/semi-permeable coatings
Polymer matrix	pH independent and pH dependent coatings

[almacgroup.com](http://almacgroup.com)

## Get in touch

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