

AENOVA CAPABILITIES

As a leading global contract development and manufacturing organization, we offer extensive capabilities for Solids, Steriles, Semi-Solids, Liquids, and Packaging. Our 7 development centers and 14 production sites in Europe and the USA service projects from pre-clinical phase to global scale commercial production.

Solids & Softgels – Bulk

Sites	BAA	COR	GRO	KIL	KIR	LAT	MRB	MST	RBG	SIS	TIM
Tablets											
Immediate Release			●			● ³	●	● ¹	● ¹	●	●
Controlled Release			●			● ³	●	● ¹	● ¹	●	●
Film Coated			●			● ³	●	● ¹	● ¹	●	●
Sugar Coated			●					● ¹	● ¹	●	●
Bilayer										●	
Chewables / Lozenges			●			●	●			●	●
Effervescent Tablets	●						●			●	
Orally Disintegrating Tablets			●				●	●	●	● ⁷	●
Hard Gel Capsules											
Powders / Granulates				●		● ³	●		● ¹	●	●
Micro-dosed capsules (from 1mg fill mass)								●			
Pellets (Designed Release)				●			●		● ¹		
Tablet in a Capsule							●				
Mini / Micro Tablets							●		● ¹		
Film Coated							●		● ¹	●	●
Betalactams (Tablets, Capsules, Dry Powders)						●					
Dry Powder Inhalation								● ²			
Powders / Granulates for Oral Solutions											
Powders / Granulates	●		●			●				●	
Effervescent Powders / Granulates	●									●	
Chewable Gels (Gummies)											
Soft Capsules											
Soft Gelatine Capsules		●			● ¹						
VegaGels®		●									
Bioavailability Enhancing Technologies											
Hot Melt Extrusion									●	●	
Spray Drying				●							
Lipid Based Formulations		●			●						
Controlled Substances											
	●		●		●		●	●		●	●
Occupational Exposure Limits (µg / m³)											
OEB 1 (10,000 to 1,000)	●	●	●		●	●	●	●	●	●	●
OEB 2 (1,000 to 100)	●	●	●		●	●	●	●	●	●	●
OEB 3 (100 to 10)	●	●	● ⁶	●	●	●	● ⁶	●	●	●	● ⁶
OEB 4 (10 to 1)					●	● ⁶		●	●		
OEB 5 (1 to 0.01)					●			●	●		
Animal Health ⁴			●			● ⁵		●	●		

Solids & Softgels - Bulk

- ¹ Including Highly Potent APIs
- ² Only Highly Potent APIs
- ³ Including anti-infectives (Betalactams)
- ⁴ If API common to Human Health except otherwise indicated (see footnote AH)
- ⁵ Dedicated plant for Animal Health products incl. Parasitizides
- ⁶ Molecule dependent
- ⁷ Includes Template Inverted Particles

Steriles

- ⁸ API must also be used for human application (exception intramammary syringes at LAT)
- ⁹ Powder filling into vials for cephalosporins & penicillins only

Site Abbreviations

BAA – Bad Aibling, DE	KIR – Kirchberg, CH
CAR – Carugate, IT	LAT – Latina, IT
COR – Cornu, RO	MRB – Marburg, DE
FKB – Feldkirchen, DE	MST – Münster, DE
GRB – Greensboro, US	RBG – Regensburg, DE
GRO – Gronau, DE	SIS – Sisseln, CH
KIL – Killorglin, IE	TIM – Tittmoning, DE

Steriles

Sites	LAT
Aseptic Processing	
	●
Terminal Sterilization	
	●
Small Molecule	
	●
Biologics (up to BSL 2)	
	●
Occupational Exposure Limits (µg/m³)	
OEB 1 (10,000 to 1,000)	●
OEB 2 (1,000 to 100)	●
OEB 3 (100 to 10)	●
OEB 4 (10 to 1)	
OEB 5 (1 to 0.01)	
Betalactams: Penicillin	
Sterile Powder for Injection	●
Sterile Liquid Vials	●
Sterile Intramammary Syringes	●
Betalactams: Cephalosporin	
Sterile Powder for Injection	●
Sterile Intramammary Syringes	●
Controlled Substances	
	●
Animal Health ⁸	
	●
Glass Vials - Liquid	2R-50R
Plastic Vials - Liquid	2R-10R
Glass Vials - Powder Filling	5-250ml ⁹
Prefilled Syringes (glass & plastic)	0.5ml-10ml
Glass Cartridges	1-20 ml
Intramammary Syringes - Animal Health	5-12 ml

Semi-Solids & Liquids - Bulk & Packaging

Sites	BAA	CAR	FKB	GRO	RBG
Suppositories/Vaginal Ovules					
Plastic (ie. PVC/PE)		●		●	
Foil (ie. Alu/PE)		●		●	
Creams/Ointments/Gels					
Bottles					
Pumps		●			●
Drops					
Jars		●			
Sachets	●				
Tubes		●	●		
Liquids (Non Sterile)					
Emulsions		● ⁵	● ¹		●
Suspensions		●			●
Bottles		●			●
Nasal Sprays		● ²			● ²
Droppers		●			●
Pumps		●			●
Foams		● ⁶	● ⁶		
Hormones					
		● ³	● ³		●
High Potent					
			●		●
Controlled Substances					
			●	●	
Occupational Exposure Limits (µg/m³)					
OEB 1 (10,000 to 1,000)		●	●	●	●
OEB 2 (1,000 to 100)		●	●	●	●
OEB 3 (100 to 10)		●	●		●
OEB 4 (10 to 1)		●	●		●
OEB 5 (1 to 0.01)		● ⁷			
Animal Health⁴					
		●	●		

Semi-Solids & Liquids

- ¹ Bulk only, no packaging (alcohol content up to 30%)
- ² Not pressurized
- ³ Only corticosteroids
- ⁴ API must also be used for human application
- ⁵ Including flammables (ATEX area)
- ⁶ Bulk only (pressurization performed externally)
- ⁷ Molecule dependent

Solids - Packaging

- ⁸ Multi-Tablet Blister
- ⁹ Pouching
- ¹⁰ Secondary packaging
- ¹¹ Face seal blistering and RF sealing of clam shells
- ¹² External Partner

Solids & Softgels - Packaging

Sites	BAA	CAR	COR	FKB	GRB	GRO	KIR	LAT	MRB	MST	RBG	SIS	TIM
Tablets													
Bottles					● ^{10/11}	●			●	●	●		
Blisters	● ⁸				● ¹¹	●		●	● ⁸	● ^{8/9}	●	●	●
Strips	●							●				●	
Sachets												● ¹⁰	
Tubes	●				● ¹¹				●			●	
Hard Gel Capsules													
Bottles					● ^{10/11}	●			●	●	●		
Blisters	● ⁸				● ¹¹	●		●	● ⁸	● ^{8/9}	●	●	●
Dry Powder Inhalation (micro-dosed capsules)													
Combination packaging (incl. device)										●			
Powders/Granulates for Oral Solutions													
Strips												●	
Sachets								●				● ¹⁰	
Bottles						●		●					
Softgel Capsules													
Bottles			●		● ^{10/11}	●			●	●	●		
Blisters	● ⁸		●		● ¹¹	●	●		● ⁸	● ^{8/9}	●	●	●

Clinical Trial Supply

Sites	BAA	CAR	COR	FKB	GRB	GRO	KIR	LAT	MRB	MST	RBG	SIS	TIM
CT Primary Packaging				●		●		●	●	●	●	●	
CT Kitting / Packaging						●							
CT Blinding & Randomization						●							
CT Storage & Distribution						●							

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