

CDMO OFFER

Manufacturing & Development Capabilities

Date:

Speaker:

Place / event :



Ethypharm, a specialty pharma company with European roots, focused on the Central Nervous System and Hospital Injectables



Specialty pharma

- CNS: 3 main areas of expertise - pain, addiction and depression.
- Hospital injectables:

 a portfolio of injectable
 medicines for emergency
 and hospital use.
- A direct presence in the top 5 European markets.
- A longstanding direct presence in China.



Distribution & Licenses

- Global reach through distributors and licensees.
- 171 partners in 54 countries.
- Broad catalog of Injectables and dry forms.



CDMO

- A team of development experts alongside your project.
- 6 state-of-the art manufacturing plants with high quality standards
- A wide range of dosage forms & packaging.





Ethypharm in a nutshell

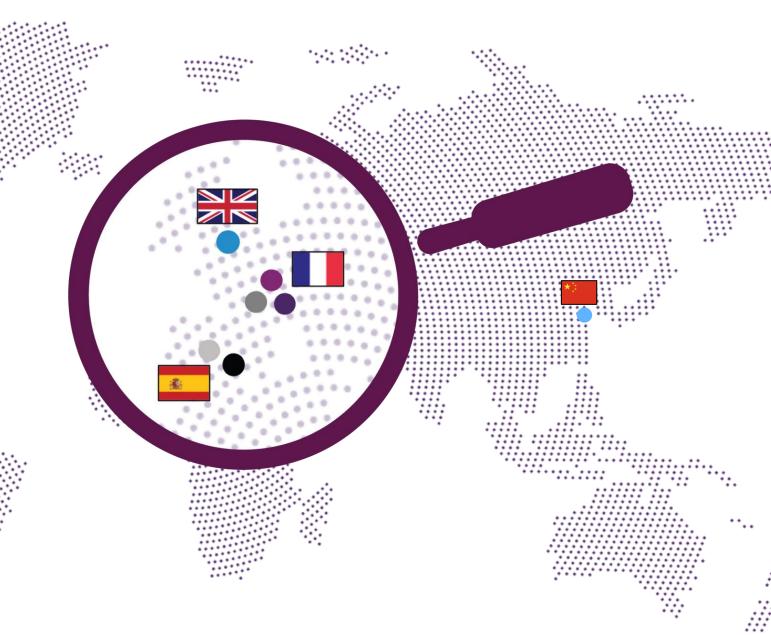
(2022 figures)





6 states-of-the-art manufacturing plants to produce your product

GLOBAL HEADQUARTERS • Saint-Cloud, France MANUFACTURING SITES • Romford, UK • Châteauneuf-en-Thymerais, France • Le Grand-Quevilly, France • Bernedo, Spain • Casarrubios, Spain • Shanghai, China





Sterile forms



- **AMPOULES** • Terminal sterilization
 - Aseptic filling



- PRE-FILLED SYRINGES • Terminal sterilization
 - Aseptic filling



FLEXIBLE IV BAGS • Terminal sterilization



LYO IN VIALS



SOLUTION / SUSPENSION IN VIALS











Non Sterile forms



NON-STERILE ORAL SOLUTIONS

API:

- Conventional
- Controlled Substances

Technologies:

• Glass & HDPE Bottles



TABLETS / CAPSULES / PELLETS

API:

- Conventional
- Controlled & Highly Potent Substances

- Technologies:
 Oral Solid Dosage
- Solid Dosage Form

















A 40+ years expertise in Controlled Drugs manufacturing

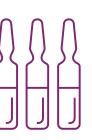
With over 40 years of experience in handling narcotics, in the manufacturing and testing of controlled drugs (Morphine, Fentanyl, Buprenorphine, Naloxone) and high potent drugs (oncology, orphan drugs), we prioritize compliance and the highest levels of security to ensure the safe and responsible management of controlled substances.

Our robust compliance protocols and access-protected security systems are designed above compliance with regulatory requirement to provide peace of mind to our partners, customers and operators.

Our state-of-the-art facilities are equipped with advanced technologies and systems that adhere to the strictest industry standards. This enables us to maintain the integrity of the products throughout their journey within the supply chain.







TABLETS / CAPSULES / PELLETS

ORAL SOLUTION

AMPOULES



An agile Development team to meet your demand



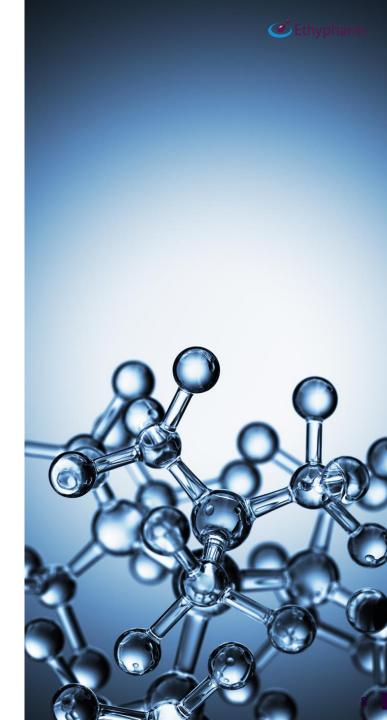
- Full range of innovative development solutions from API sourcing to support on regulatory strategy definition and on submission (formulation - pilot regulatory batches manufacture - analytical method development and validation - ICH stability studies.../ tailor made solutions)
- Oral solids and liquids sterile products:
 PFS Ampoules Flexible IV bags Vials Lyos
- Dedicated experimented teams and laboratories
- GMP clinical batches capabilities for EU and US markets
- Huge understanding of international guidelines
- Flexibility reliability



3 development centers across Europe



An experienced multi-disciplinary team to drive development projects from evaluation, pharmaceutical and analytical development, clinical, scale-up, until Marketing Authorization and Commercial launch.

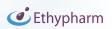




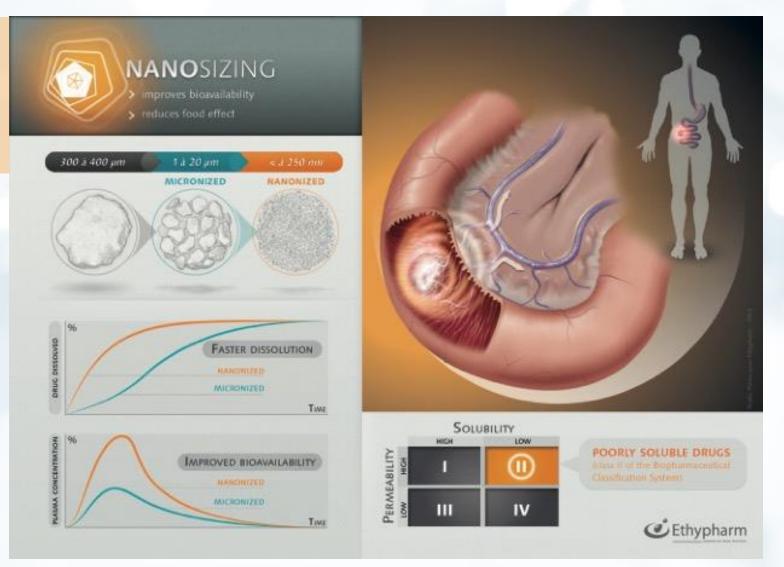


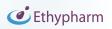
Flashtab® & Tmask®





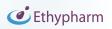






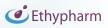
















6 state-of-the-art manufacturing facilities and a network of external partners offering full services

Our 6 plants in France, UK, Spain operate as full-service CDMOs vertically integrated from active substance to finished products with a strong service portfolio including controlled drugs handling, development, scale-up, regulatory services, production process design.







United Kingdom, France & Spain

Supplying the European, US & international markets



China

Supplying the local market and Asian region



Compliance with the **highest** quality standards and regulations with a proven experience and track record with MHRA, NMPA, ANSM, **USFDA** and **AEMPS**



















Châteauneuf-en-Thymerais

Headcount: 272









KOREA



USA



Product Forms:

Complex Oral Solid Dosage (controlled release, immediate release)



Number of units produced: Billion doses +





manufacturing and testing of controlled release Oral Solid **Dosage and large volume batches**

Equipment:

6 Fluid Bed Coaters (batch size 300-600 kg)

20 Conventional coating pans

3 Tableting 4 Capsule filling







Grand-Quevilly

Headcount: 282













KOREA

Product Forms:

modified release solid oral doses /High potent / Narcotics



Number of units produced:

Million doses +





Manufacturing and testing of Complex oral Solid Dosages (Immediate Release, Prolonged Release); Controlled Drugs and high potent drugs

Equipment:

- 7 Conventionnal and perforated coating pan
- 5 Fluid bed coater
- 2 High sheer granulators
- 3 Tableting machine
- 4 Capsule filling
- 2 Nanosizers

Dedicated Manufacturing Units for High potent product (granulator / drying, tablet press / coating pan / capsule filling)





Bernedo

Headcount:





Authorizations:



agencia española de medicamentos y productos sanitarios

SPAIN

Product Forms:

Terminally sterilized flexible IV bags (PVC or PVC-FREE)



Number of units produced:

9.700
Million bags

Strong expertise



Focused in development manufacturing and controlling sterile products (IV Flexible Bags).

Equipment:

- 3 Semi-automatic Filling Machines (flexibility)
- **3 Autoclaves**
- **3 Overwrapping Machines.**





Casarrubios

Headcount:





Authorizations:



agencia española de medicamentos y productos sanitarios

SPAIN

Product Forms:

sterile injectables forms vials & ampoules



Number of units produced: 8.9

Million doses



Strong expertise



Development and commercial production of ampoules (Asceptic filling and terminal sterilization)

Vial (liquids & Lyo)

Equipment: 1 filling line for ampoules (1ml to 25ml)

1 filling line for vials (6ml to 22ml)

4 Lyos





Romford

Headcount:





Authorizations:









USA

UK

SAUDI ARABIA

KOREA

KENYA

Product Forms:

Terminally sterilised ampoules, aseptic and Terminally Sterilised **PreFilled Syringes, Oral Liquids**



Number of units produced:



Strong expertise



Handling controlled drugs, Sterile processes

Equipment:

4 ampoule filling machines (1ml to 20ml) 3 automatic inspection machines **High Speed ampoule packing Oral Liquid Filling and Packing Aseptic PFS Filling**

Autoclaves and Dry Heat Oven















Ethypharm your partner of choice

Your CDMO Contact

If you want to partner with us, contact us on: CDMO: Cheval.isabelle@ethypharm.com D&L: Partnerwithus@ethypharm.com





SCAN ME TO KNOW MORE ABOUT OUR CDMO OFFER

