

CDMO Solutions for High Potent and Cytotoxic Drug Product up to OEB6

SPECIALIZING IN POLYMER-BASED DOSAGE FORMS



Up to OEB6

High Potent, Cytotoxic & Hormonal Drug Product Manufacturing

Highly Potent APIs (up to and including OEB6) and DEA controlled substances (Schedule 3-5) of clinical and commercial drug product manufacturing.



Polymer-based dosage forms

Advanced capabilities for the manufacturing of implants and vaginal rings using extrusion, co-extrusion and injection molding.



Hot Melt Extrusion

Hot Melt Extrusion for bioavailability enhancement of poorly water soluble drugs, taste masking or gastro protection of pH sensitive drugs.



Prefilled Syringes & Autoinjector Assembly

State-of-the-art manufacturing and fully automated assembly and visual inspection for prefilled syringes and autoinjectors.

Dosage forms

- Vaginal Rings
- Subcutaneous Implants
- Intra-Tumoral Implants
- Ocular Implants
- Prefilled Syringes

Main polymers

- **Biodegradable:** Synthetic (PLA, PGA, PLGA) or natural (BSA, HSA, collagen, gelatin)
- **Biodurable:** Silicone, PVA, EVA, TPU
- Hydrophobic polymers and hydrophilic polymers, including hydrogels

Main manufacturing process

- **Implants:** (co)-extrusion, injection molding, compression molding (MeltPrep), 3D-printing
- **Injectables:** Sterile fill & finish with automated visual inspection and fully automated applicator assembly

Sever Pharma Solutions offers a comprehensive range of CDMO Services allowing us to support drug product development from start to finish. Our expertise includes Polymer-Based Delivery Systems, Highly Potent Compounds (up to OEB6), Hormonal and Controlled DEA Substances (Schedule 3-5).

Polymer-Based Delivery Systems: Techniques used to manufacture solid dosage forms with a focus on achieving precise and controlled drug release.

Hot Melt Extrusion & Silicon Extrusion: High-capacity extrusion capabilities, including co-extrusion and conventional extrusion, ideal for manufacturing controlled-release polymer rings with excellent scalability.

Implants for Local Administration: Delivering API for local intra-tumoral or intra-ocular treatment up to OEB 6.

Injection Molding: Controlled drug delivery including hormones or hormonal treatments.

Prefilled Syringes & Autoinjector Assembly: Providing advanced manufacturing and assembly services for prefilled syringes (1 mL long) and autoinjectors, which are crucial for self-administration of injectable drugs.

Comprehensive services for high potent drug product

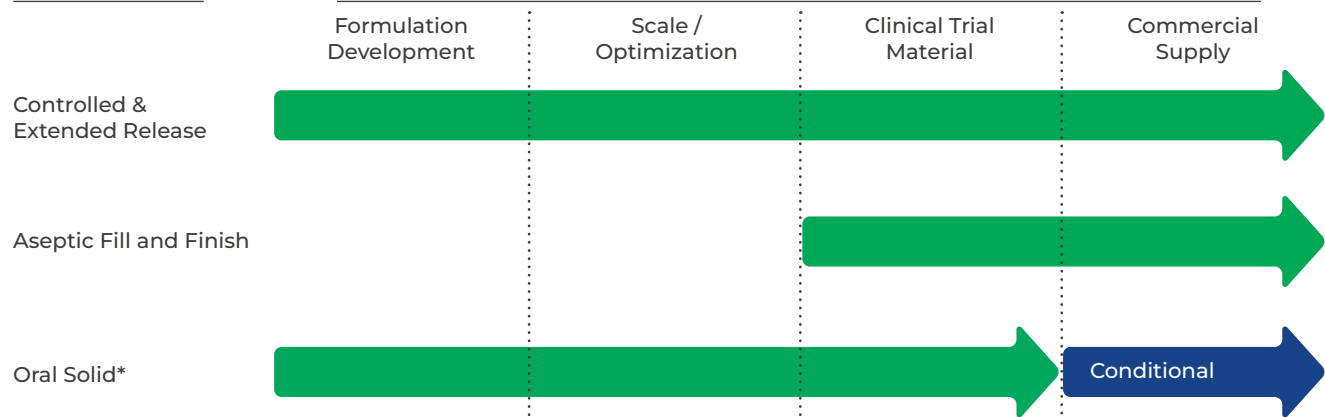
Seamless transition from concept and development to finished product.



THREE FOCUS AREAS:

DOSAGE FORMS

C(D)MO CAPABILITIES



* Solubility enhancement by Hot Melt Extrusion



Sever Pharma Solutions is one of the few CDMOs offering solutions for High Potent and Cytotoxic Drug Product up to OEB6, specializing in polymer-based dosage forms such as rings and implants.

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