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HCM Medical Contract Manufacturing Services

Contract Manufacturing

A large demand exists for a contract manufacturing organization with the expertise needed to easily get familiar with the production process of a (bio)medical innovation, and besides has the right licenses that allow for production of these products according to the applicable regulations.

Products or services:

- Production of products for customers within the current regulations:
 - Medical Devices (ISO13485)
 - Pharmaceuticals (GMP for IMP products)
 - Weefsel (human) (IGJ, EU Tissue Directive)
- Development of new products in collaboration with the customer, within the possibilities and expertise
- **Production**, on behalf of the customer, the first batches after product development for clinical studies or product registartion under MDR/GMP.
- Provide support in the field of test method development
- Production (process) validation
- Product registration under MDR.

Development

Support in production and feedback in product development

Registration

Support and feedback in regulatory processes

Commercialization

Production, packaging and distribution



How to move from small to full scale production?

Small scale production process



Animal tissue

Pulverization/ mincing



Purification



Washing/ centrifugation



Freeze-drying



Milling into powder



Medical grade raw material





Input: 500 grams of tissue

Yield: 100 gram powder

Working volume: +/- 15L

Centrifuge capacity: 4x750 mL / 10 min

Milling capacity: 50-100 grams/day





Large scale production process?



- Do you have experience in scaling up production processes?
- What are the challenges?
- Where to find the experience?
- What are the common pitfalls?
- What technologies/companies to look for?

Large scale process

Input: 50 kg of tissue

Yield: 10 kg powder

Working volume: +/- 400-600L

Centrifuge capacity: 400-600L/2h

Milling capacity: 5-10 kg/day

