





The site offers state of the art facilities that fulfilled the strict requirements of EU GMP for manufacture of sterile pharmaceutical products, including Advanced Therapy Medicinal (ATMP) products.



- Facility occupies 1,200 square meters with classified areas complying with EU GMP Annex 1 - grades A, B, C and D (ISO 5, 7 and 8)
- New clean room approved in 2012 by Danish Health & Medicines Agency (DHMA)
- Facility held the following licences issued by DHMA:
 - Tissue Establishment Licence
 - GMP Manufacturing Licence for chondrocytes

A site with unique capabilities in clean room design and construction allowing for manufacturing scalability and flexibility



Internal engineering services include:

- Design of cell culture cleanrooms in compliance with ISO and Annex 1
- Expertise with handling of materials and methods
- Commissioning / start-up
- Certification and validation to current standards



Present equipment for cell cultivation process



Equipment in A/B area include:

- Biological Safety Cabinets (BSC) Left photo
- Incubators Middle photo
- Centrifuges Right photo
- Continuous Particle Monitoring System (CPMS) ports used to collect non-viable particles in both Grade A and B environment - No photo
- Viable air monitoring in BSCs No photo







Present equipment for cell cultivation process

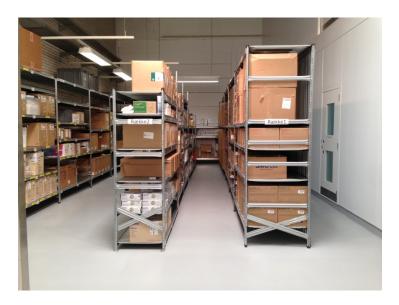


Equipment in D and warehouse areas include:

- Pharma grade Refrigerators and Freezers Top right photo
- Cryopreservation tanks Lower left photo
- Warehousing







Programs Established for Controlling the Facility



The following programs are established:

- Environmental Microbiological Testing Program
 - Viable and Non-viable particles
 - Personnel
 - Facility
- Equipment Testing Program
- Clean Room Cleaning Program
- Sterility Assurance Program
- HVAC and HEPA Systems
- Building Management System (BMS)
- Facility Management System (FMS)



Present Quality Control Equipment / Assays



Quality Control Testing including:

- Product Sterility
 - BacT/ALERT instrument used for sterility testing –
 Top right photo
- Endotoxin Assay
 - PTS instrument used for Endotoxin testing -Lower left photo
- PCR based assays including mycoplasma
 - Equipment used for PCR assays Middle photo
- Spectrophotometer
 - Lower right photo



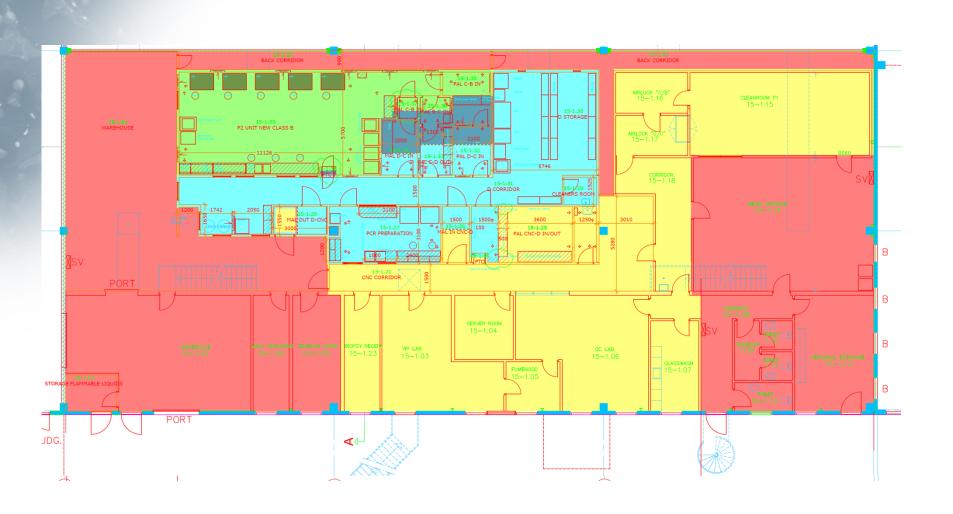






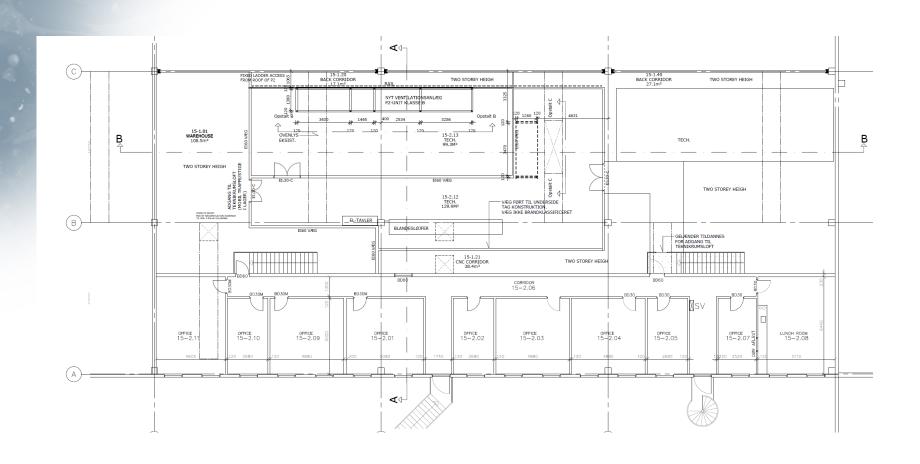
Copenhagen Clean Room/Supporting Areas Floor Plan





Copenhagen Office Facility 1st Floor Plan





Lease Obligations



Lease Terms:

- Can be terminated with 6 month notice on either October 1st 2015 (which is Aastrom's intent) or October 1st 2019
- Deposit equals to 6 month's rent (at any time)
- The rent is regulated with an increase of 3% every October

Lease Expenses:

- Lease payments per month: DKK 76,746.19 incl. VAT
- Utilities (e.g. Common expenses on account (e.g. real estate tax, water, sewer) per month: DKK 11.000,00 incl. VAT
- Heating costs on account per month: DKK 11.750,00 incl. VAT
- Electricity at full capacity in both offices and cleanrooms (01-JUL-2013 to 30-JUN-2014), average cost per month: DKK 80.287,54 incl. VAT