



Pharmaceuticals & Biotechnology

Client
Biomatrix

Location
Ridgefield, NJ, USA



cGMP Medical Device Production Facility

Project Description

CH2M HILL Lockwood Greene provided design engineering for a renovation/expansion of an existing manufacturing facility. Services included programming and project scoping for offices, laboratories, manufacturing, warehousing, process, and building utilities. The detailed design for the cGMP manufacturing included formulation, aseptic filling, and packaging. Features of the project included:

- Design approach utilizing manufacturing suites allows Biomatrix to respond to individual product requirements.
- A Value Engineering Feasibility Study provided Biomatrix with a competitive method to design their facility.
- A project scoping study provided building requirements for long-term growth and prioritized initial building phases to fit capital spending budget.
- To accommodate Biomatrix's business development plan, design incorporated flexible, modular construction of clean manufacturing areas and considered an expansion of filling suites and a creation of new In-Vivo Testing facilities, all within an existing 100,000 sf warehouse building.

Biomatrix's manufacturing business requires a flexible facility with state-of-the-art HVAC, In-Vivo Testing, and process capabilities to provide new biopharmaceutical products. Critical utilities included USP/WFI Water and process air.