



Park Bioservices, LLC

Germ-Free Workshop

Sponsored by

Park Bioservices, LLC & Taconic

Study/ Project Technical Design

Animals , Supplies & Equipment

- Vendor Selection
 - Animal models
 - Food, bedding & water
 - Testing services
 - Shipping & shipping supplies
 - Isolators and ancillary supplies
 - Chamber or Canopy Size
 - Port Design (Not either or)
 - Cylinders and Alternative



Animal Models



- Commercial Sources
 - Taconic
- Academic & Other Sources
 - Universities
 - Government



Food

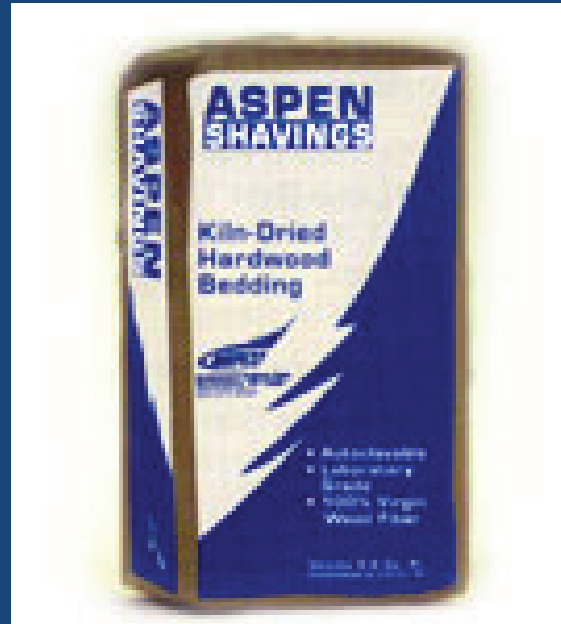
- Autoclaved food vs. irradiated (gamma)
 - In-house autoclave/ controlling the parameters
 - Irradiated/ suitability for gf ?

*Prolab[®] IsoPro[®] RMH 3000, Irradiated, Vacuum Packed 6.5# Boxes [5P75 TOP](#)
[△ Prolab[®] 5P75 Isopro[®] 3000](#) is the irradiated form of RMH 3000 (5P00).
This product has been irradiated to virtually bacteria-free dietary control.
Product 5P75 is vacuum packed in five pound packages, and packaged 6 units per box. Isopro[®] Diets are now improved with added vitamins and minerals to prevent loss due to irradiation. For more detailed information on this diet please click on the Product Code Number above.*



Bedding

- Bedding Autoclaved and Irradiated (e-beam)
 - Corn cob
 - Paper
 - Alpha
 - Extruded
 - Wood
 - Aspen
 - Beta



Vacuum Package Supplies



Water

Options

- Autoclave in bulk/ dispense
- Autoclave in water bottle
- Hydropac



Testing Services

- Sterilization of the isolator
 - Initial setup
 - Recycle
 - (Validation) Spore strips, culture media/ plates & kits
 - Internal vs. external resources
- Health monitoring of animals
 - Internal vs. external



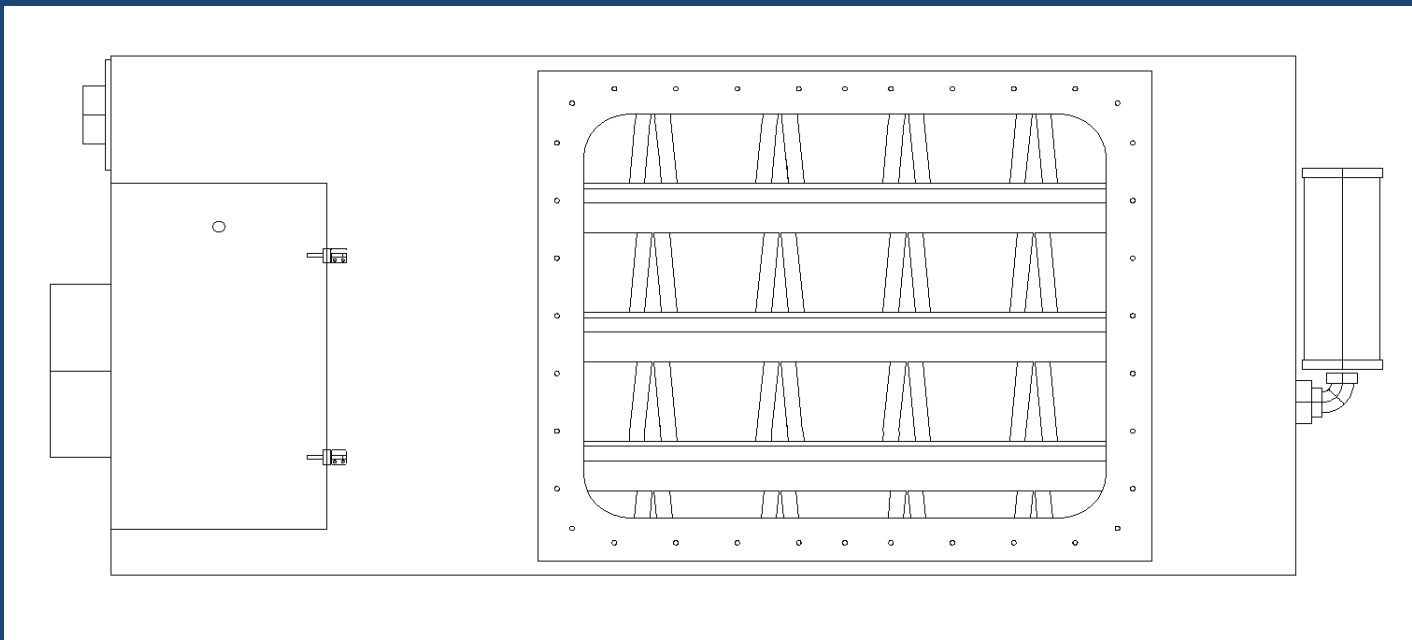
Isolators

- *Researcher at Notre Dame, 'Can you fit my project in your isolator?'*
- *Philip Trexler, 'No!' ' But I can wrap your project in plastic!'*



Chamber Size

- Cage capacity
- Food, bedding, water & misc supplies





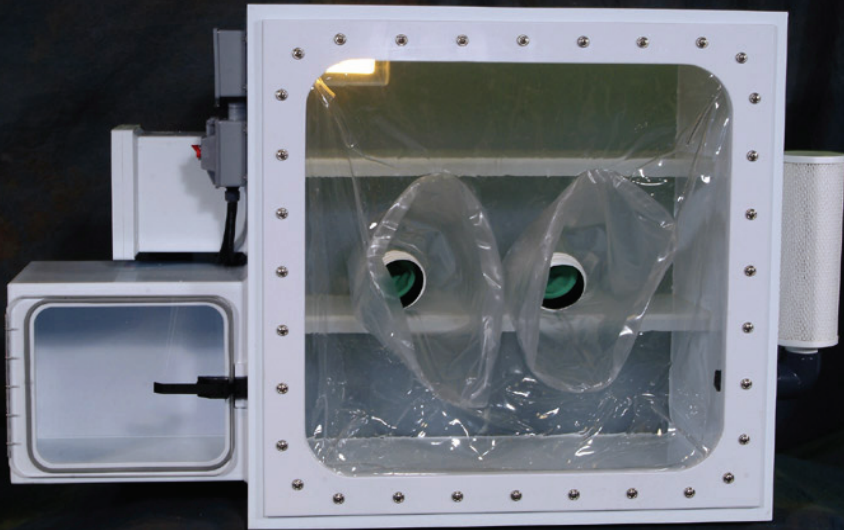
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Port Size & Configuration

- Limit Entry & Exits (door or cap open/close)



Round vs. Rectangular



Supply Cylinders



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Transition: Port to Cylinder



Timeline Planning

Who, What, Where & When

- Staff Selection
- Discuss and write project specific SOPs
- Ordering equipment
 - Testing/ Validation
- Order supplies
 - Testing /Validation
- Ordering/ arrival of animals
 - Testing/ Validation



Staff Selection

- Attention to detail
- Attention to detail
- And.....



SOP Writing

- The linch pin that will make the project successful .
- Involvement of all levels critical
 - Investigator
 - LAR
 - Facility



Equipment

- Logistics
- Monitor vendor lead-time
- Site specific details
 - Do a walk through before ordering
 - Map space



Supplies

- Vendor lead-time
 - Isolators 4-10 weeks
- Internal lead time
 - Sterilize
 - Test/Validate



Animals



Timing is Everything!



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