

Germ-free Workshop



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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



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Animal Models



Commercial Sources

Taconic

Academic & Other Sources

Universities

Government



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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.



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Bedding

Bedding Autoclaved and Irradiated
(e-beam)

Corn cob

Paper

Alpha

Extruded

Wood

Aspen

Beta



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Vacuum Package Supplies



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Water

- Autoclave in bulk/ dispense
- Autoclave in water bottle
- Hydropac (next page)



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courtesy of Hydropac®



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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



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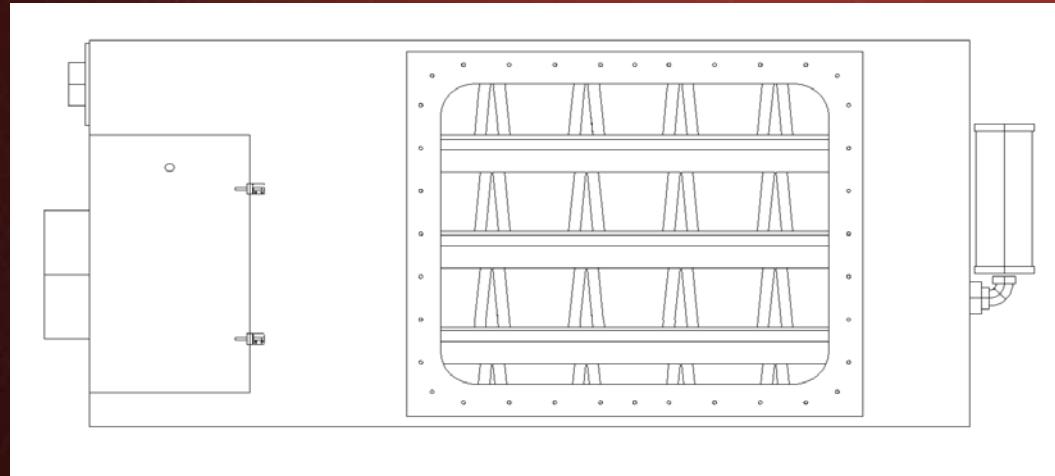
Isolators

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



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Chamber Size

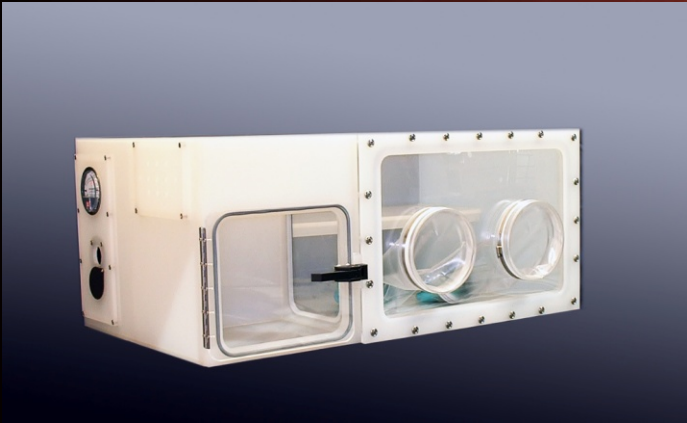


Considerations:

- Cage capacity
- Supplies
- Species
- Internal Equipment



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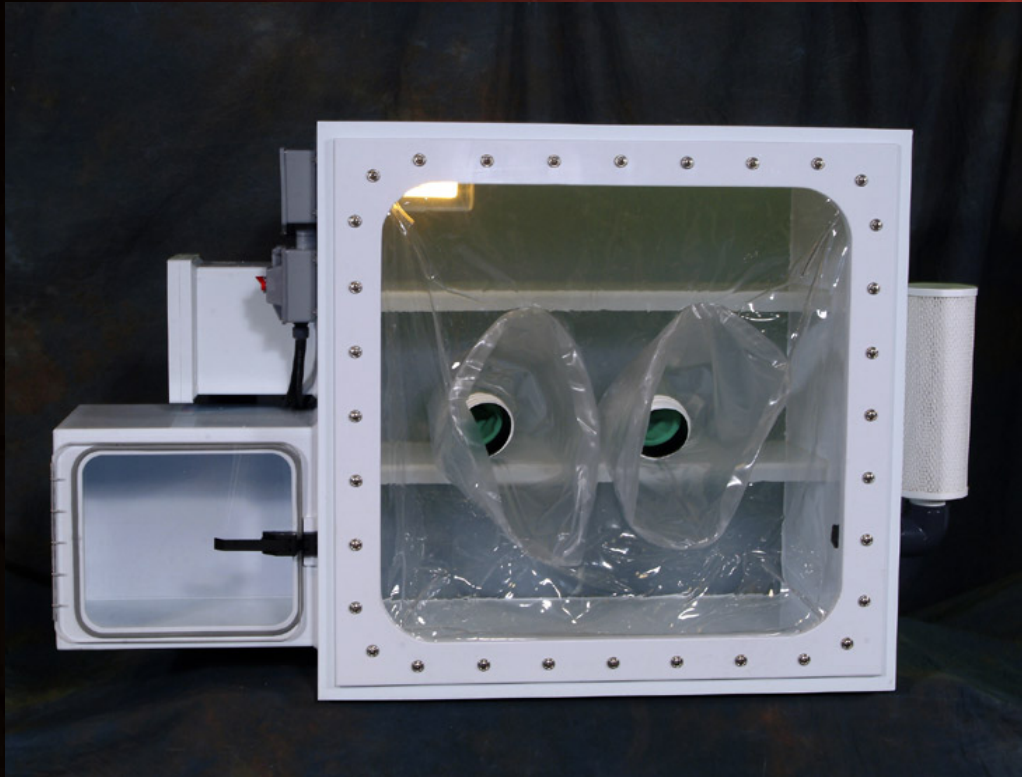
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Port Size & Configuration



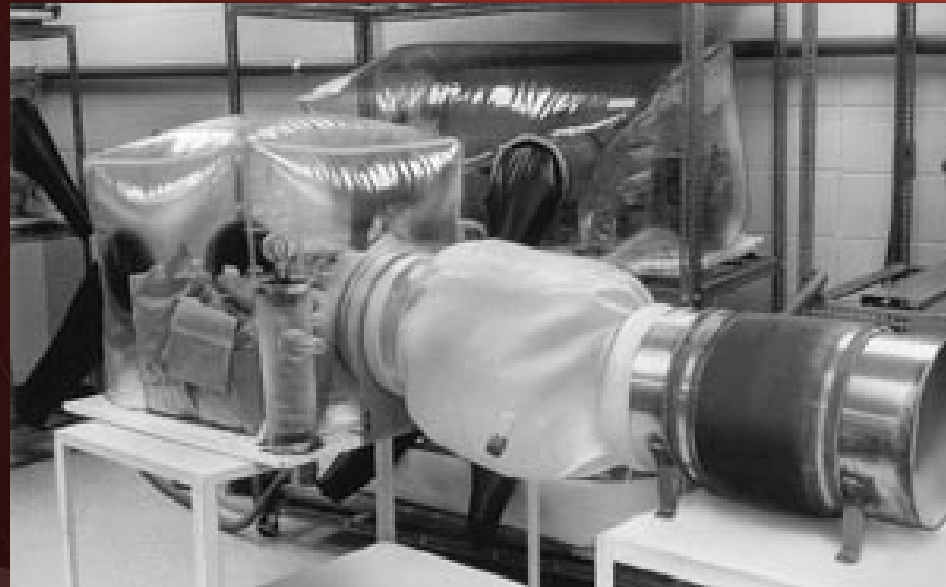
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Round vs. Rectangular



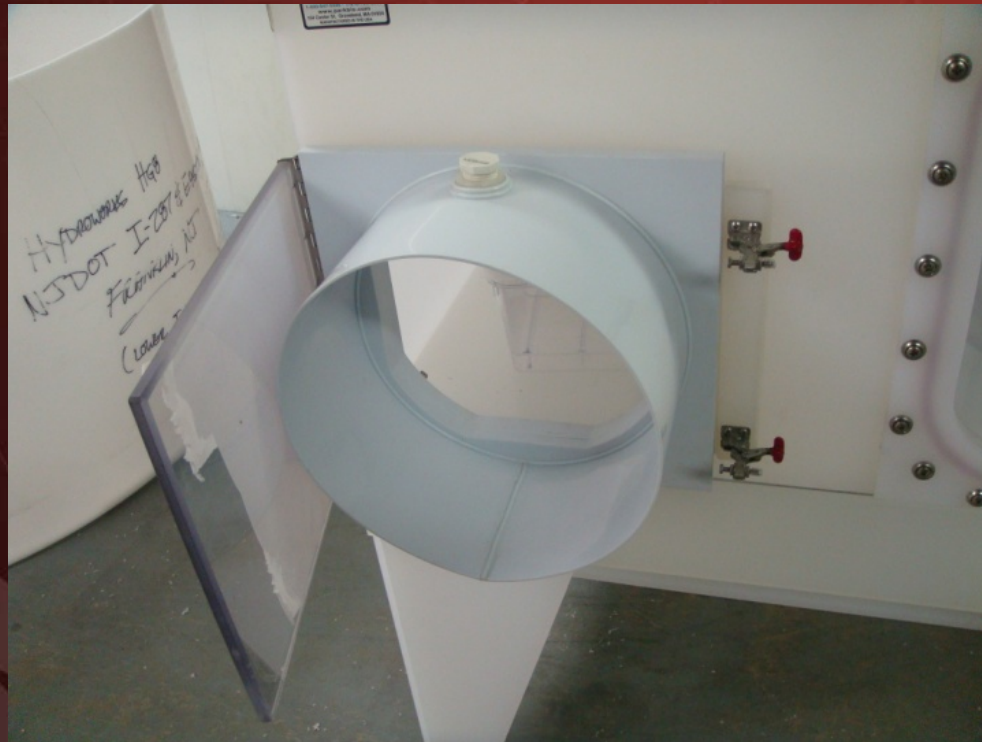
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Supply Cylinders



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Transition: Port to Cylinder



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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



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Staff Selection

1. Attention to detail
2. Attention to detail
3. And.....



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SOP Writing

The key to making your project successful . Involvement of all levels critical

- Investigator
- Professional/ other
- LAR
- Facility



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Equipment

Logistics: Monitor vendor lead-time

Site specific details:

Do a walk through before ordering
Map space



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Supplies

Vendor lead-time

Isolators 4-10 weeks

Hoods 16-20 weeks

Internal lead time

Source

Sterilize

Test/Validate



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Animals



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Timing is Everything!



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