



# INDIANA BARRIER FACILITY



Premier BioSource

## Facility Description

Our new barrier facility supplies both Domestic and Yucatans, and is a single site located in Rensselaer Indiana. Our first litters were born May 2020. Biosecurity is maintained through positive pressure HEPA filtration, shower in for all personnel, pasteurization of feed, UV treatment for water, and airlocks where all incoming equipment is sanitized. The herd was cesarean derived in 2019. We maintain a closed herd, and new genetics will be brought in via c-section. We select gilts based upon desirable traits. To maintain genetic diversity, we have several unrelated Yorkshire and Landrace lines that are outcrossed to provide maximum heterosis.

### Semco HEPA filtration air supply unit



#### *Semco HEPA filtration air supply unit*

The Semco air supply unit filters the air into the facility to screen out pathogens, ensures the facility stays under positive pressure, provides 50 tons of cooling capacity, and recovers 70-80% of the heating and cooling energy of the facility. It is a web base unit that allows for monitoring and changing unit parameters from any computer.

## Maximus controller and Flow-Rex hot



water controller



### *Maximus controller and Flow-Rex hot water controller*

The Maximus controller monitors room temperatures, air pressures, humidity, water pressure, lighting, and backup power. It is a web-based controller allowing the user to change any monitored parameters from anywhere. It will also alert the user via phone call or text message when defined parameters are exceeded.

The Flow-Rex provides hot water control for zone heating for the newly weaned pig. Each room has its own unit and the ability to control the room in four quadrants. This type of heating allows room temperatures to be kept lower while providing an area of additional heat for young pigs. As the pigs age the temperatures of the zone heating will slowly be reduced.

### *Yucatan Nursery*

The Yucatan nursery rooms have 8 pens of 12-14 minipigs in each pen. Flow-Rex hot plates provide extra warmth for the young pig. All penning and flooring are Ikadan brand and made from plastic. All room hardware is stainless steel. The water supply is UV treated, feed is high temperature pasteurized, and animal pen outer wall surfaces are epoxy coated.

## Yucatan Nursery



## Domestic Nursery



### Domestic Nursery

The Domestic nursery rooms have 8 pens of 25-30 pigs in each pen. Flow-Rex hot plates provide extra warmth for the young pigs. All penning and flooring are Ikadan brand and made from plastic. All room hardware is stainless steel. The water supply is UV treated, feed is high temperature pasteurized, and animal pen outer wall surfaces are epoxy coated.

### Yucatan Grower Room

The Yucatan grower rooms each have 28 pens that can hold 8-15 minipigs per pen. Each pen has a heated concrete floor area that provides a solid sleeping and eating area for the minipig. Solid divider walls ensure the pig feels safe from the neighboring pens and provides for a draft free laying area.

## Yucatan Grower Room



## Health Monitoring



Our production herd was produced by CDCD piglets and in May 2020 natural births began. We initially performed serological testing on the CDCD piglets verifying those to be free from a wide range of infectious agents, further serological testing is performed quarterly. The facility remains unvaccinated and no parasite control is needed. We currently offer vaccinations prior to delivery upon request. We have animals in customers' facilities that also house other vendors swine, the animals are in separate rooms and to date no disease issues have been noted.