

# Site statistics

Envigo research products - Cumberland, VA canines

## Security

The property is enclosed by 6-foot perimeter fencing with a computerized, remote-controlled security gate with video monitoring. General colony animal housing is enclosed by 8-foot perimeter fencing with razor wire and multiple secure gates. Whelping housing, animal treatment areas and offices are secured with individualized badge access.

Security alarms are in all animal housing areas and utilized to monitor unauthorized entry, high temperatures, fire, smoke and rate of temperature rise. Monitoring of the alarm system is provided by an outside contractor. Additional after-hours security is provided by the local law enforcement agency.

## Temperature and humidity

The temperature in the general colony (sheltered) is 55-85°F; whelping (indoor) is 68-82°F. Humidity in the general colony is ambient; whelping humidity is 30-70%. Temperature in the whelping building is monitored remotely on a continuous basis through alarms.

Thermometers are calibrated annually. Generator backup is utilized as needed. Temperature is continuously monitored by a security company. If an alarm is triggered during business hours on working days, the alarm company calls the receptionist, who then alerts the maintenance staff. During non-work hours, weekends and holidays, the security company calls the maintenance pager when an alarm is triggered.

## Ventilation

A minimum of 10 air changes/hour are performed. Generator backup is used during power outages. Exhaust air is not filtered or recirculated. Incoming air is filtered through a coarse filter in the whelping building.

## Physical plant

Stand-alone generators supply either full or partial power to the building during power outages. Facility walls are primarily made of concrete molded units, concrete or fiberglass-coated composite. Floors are concrete construction with a clear silicone sealant or a troweled epoxy covering. Ceilings are fiberglass-coated composite, corrugated metal or suspended drop ceilings. Doors are steel construction with painted epoxy or polyurethane, or coated hollow-core fiberglass. Whelping buildings are outfitted with environmentally controlled dedicated wall pack units.

## Facility

Number of buildings:	27
Property:	322 acres
Size:	52,722 sq. ft. of space dedicated to animals
Species:	Purebred beagles – population varies

## Regulatory

USDA Class A Dealer License: #23-A-0180

USDA Research License: #23-R-0007

AAALAC, International Accredited:  
AAALAC Accredited since May 1969

### IACUC Composition:

The IACUC committee is comprised of a chairperson, attending veterinarian, scientific members, non-affiliated member and non-scientific members

## Sanitation

General housing is pressure washed with 180°F water and detergent every two weeks. Whelping caging is hand scrubbed daily and pressure washed with hot or cold water and hydrogen peroxide at least every 45 days. The feed bin storage area is cleaned weekly. Transportation vehicles and shipping crates are sanitized upon return from each trip. Alkali detergent, hydrogen peroxide and bleach are used for cleaning.

## Vermin program

External prevention is conducted by an outside contractor.

## Illumination

In the general colony, illumination is seasonal. A 14-hr light/10-hr dark cycle is maintained in whelping housing by light timers. The light/dark cycle can be overridden for procedures or other husbandry needs. Generator backup is available for lights in some animal areas.

## Transportation

Vehicles used for transporting animals have refrigeration-quality insulated cargo boxes. Vehicles have Thermo King independent units utilizing 100% fresh air changes during transportation. Alarms are installed to alert drivers of vehicle air temperatures that fall outside of 50-70°F.

## Feed

All dogs are fed an open formula Purina Diet ad libitum. Whelping and puppies less than 8 weeks of age are fed a Purina Laboratory Canine Gestation/Lactation Diet. Feed is primarily stored in bulk bins.

Nutritional diet guarantees a minimum protein 27% or greater, fat 10% or greater and fiber not greater than 5%, which is analyzed at least annually by a contract laboratory.

## Water

The source of facility water is on-site deep water wells. Wells are tested biennially for heavy metals, pesticides and other contaminants. Water is chlorinated via a proportional liquid dispenser (1 ppm). Potability is evaluated quarterly by a contract laboratory.

## Caging

Caging in general housing is suspended galvanized wire runs with plastic-coated rod flooring.

In whelping, caging is suspended plastic or stainless steel walled caging with plastic-coated rod flooring and stainless steel mesh overlay.

## Bedding

Polyethylene tubs are used for whelping dams. Screened Northern Pine shavings or corrugated paper lining is used for transport cages. Polyethylene tubs are changed as needed and cleaned daily. Shavings are changed as needed during transport. Shavings are stored in sealed plastic wrapping on pallets in a dedicated storage building. Corrugated paper lining is stored on pallets in whelping building storage areas.

## Health and safety

Employees are provided with scrubs or uniforms to wear. Visitors are provided with lab coats for facility access. Laundry service is contracted out. Personal protective equipment (PPE) is provided and mandatory in animal areas. Ongoing health, safety and occupational skills training takes place on site and a health and safety committee meets regularly. A crisis management plan is available and is reviewed annually.

## Breeding records

Animal pedigree and health history information is maintained in the AS400 system. The customized computer database is capable of storing five-generation pedigrees and generates lists of potential mates while maintaining an inbreeding coefficient of less than 0.3%.

## Baseline data

Hematology and clinical chemistry data is analyzed every other year from 4-, 6- and 8-month-old beagles. Samples are collected from 20 beagles of each gender and age. Other types of data may be collected and vary depending upon client request, SOP and animal presentation.

Analysis is performed by reputable diagnostic laboratories and in-house resources, and includes serology, bacteriology and parasitology data. Frequency dictated by SOP and colony health.

Envigo Research Products is a proven industry leader for the secure supply of purpose bred canines. We are dedicated to supplying you with the highest quality models and services to support your research needs. Please call Client Services at 1-800-345-4114 with any questions about our purpose bred canines or research models. Learn more about our drug development solutions at [envigo.com](http://envigo.com)

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