

GIF User Manual	Presentation of GIF - Poultry
Barn / Building	8270-8274 (F40 - F44)
Period	[25.06.01] – [year.mm.dd]
Responsible	Jens Bech Andersen

<i>Topics</i>	<i>Description</i>
General Information about GIF - Poultry	<p>The poultry facilities at AU Viborg – Foulum Research Centre cover more than 1,700 m² and include units for laying hens, broilers, breeder roosters, rearing, and hatchery operations.</p> <p>The facility has a capacity for 3,000 laying hens and 10,000 broilers and is designed with flexible housing to accommodate a variety of research and development projects.</p> <p>The facility enables data collection at both individual and group level and is equipped for advanced feeding and behavioural studies.</p> <p>It also allows for the collection of samples such as faeces, blood, and tissue.</p> <p>The facilities are operated by a permanent team of specialised staff with expertise in animal care, experimental work, and technical systems.</p> <p>Research activities focus on areas such as welfare, immunology, nutrition, health, behaviour, breeding, and reproduction, with the aim of optimising the use of energy and nutrients in sustainable food production.</p> <p>The projects also include studies on housing equipment, ventilation, climate, and technological solutions for commercial poultry production.</p> <p>The research centre has strong expertise in poultry research and collaborates widely with external partners. It also has close ties to other laboratory facilities at AU Viborg, used for the analysis of samples such as feed, blood, urine, faeces, and tissue.</p> <p>The research centre supports experiments involving all poultry categories and is capable of handling extensive data collection and sampling.</p>
Overview of GIF – Poultry Barn Facilities	<p>GIF – Poultry includes the following barn facilities:</p> <ol style="list-style-type: none"> 1. Hatchery and Poultry Lines (Building 8274 – F44) 2. Rooster, Hen, and Chicken Barns (Building 8272 – F42) 3. Broilers and Rearing (Building 8270 – F40) 4. Feed and Technical Utility Barn (Building 8270 – F40)



Figure 1. Aerial view of GIF – Poultry


Descriptions of GIF - Poultry Experimental Barns

1. Hatchery and Poultry Lines (Building 8274 – F44)

The barn includes an incubator with a capacity of up to 5,000 hatching eggs and a hatcher together configured for both experimental hatching and breeder stock production.

In addition, the facility houses specially bred poultry lines used in immunological research and other studies.



2. Rooster, Hen, and Chicken Barns (Building 8272 – F42)	<p>The sections are designed to provide maximum flexibility in terms of housing systems and experimental objectives.</p> <p>Specialised cages, such as heated and unheated cages for balance trials, can be used, along with set-ups for housing hens and roosters in individual cages.</p> <p>Floor-based housing can be established and configured ad hoc or adapted to specific project requirements.</p>	
3. Broilers and Rearing (Building 8270 – F40)	<p>In research projects involving broilers and rearing, the building can be divided into smaller floor-based sections equipped with feed intake registration and water consumption monitoring.</p> <p>Feeding is managed through a computer-controlled system with pneumatic distribution of up to 16 different experimental diets to the individual sections.</p>	
4. Feed and Technical Utility Barn (Building 8270 – F40)	<p>The feeding system delivers feed mixtures to the respective barns.</p> <p>In addition, the building houses technical equipment for controlling ventilation, water supply, and heating.</p>	