



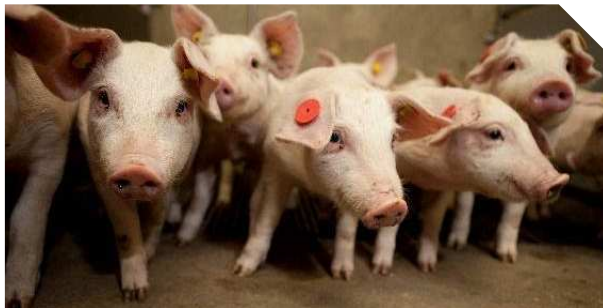
DIGESTIBILITY EXPERIMENTS

General information

- Individual or twin pens for maximum **48 growing pigs**
- Metabolic units for maximum **36 piglets or 18 growing pigs**
- Sows during gestation or lactation
- Type of experiments:
 - dietary and feedstuff digestibility
 - faecal and ileal digestibility
 - apparent and standardized digestibilities
 - regular and registration experiments
- Faecal or dry matter, ash, organic matter, crude protein, crude fat and NSP digestibility
- Determination of digestible, metabolisable or net energy
- Ileal digestibility of dry matter, ash, organic matter, crude protein and amino acids

SFR protocol

- Use of **target animal**: piglet, growing pig, gestating or lactating sow
- **Pelleted** diets at **high feed intake**
- **6 to 8 animals per treatment**
- Minimum of two weeks in which experimental diets are fed before faecal and ileal sample collection



Additional measurements



- Urine collection for nitrogen or mineral retention
- Blood samples
- Intestinal tissue morphology, passage rate, gut microflora
- Bone and body composition

Accuracy: Standard deviation*

	Faecal digestibility	Ileal digestibility
Number of treatments	2-24	2-18
Number of replicate pens**	6-8	6-8
- DC organic matter	0.5	3.0
- DC crude protein	1.3	3.5
- DC crude fat	1.8	
- DC NSP	0.5	
- DC lysine		3.0
- Calculated DE or NE, MJ/kg	0.5	

*SD values are reliable estimates for digestibility coefficients of complete experimental diets fed to growing pigs (based on 8 replicates)

**Number is dependent on experimental design. Experiment can be replicated over time.