

## Your advantages ...

- *Share the cost of cannulation!*
- *Access PSCI's unique facilities!*
- *Share labour and animal care costs with other companies!*
- *Reduce lab analyses costs by allowing PSCI to sub-contract based on volume!*
- *Select your model: weanlings, growing-finishing pigs, sows*
- *Access PSCI's Nutrition Team's expertise*



Metabolic Nursery Pens

## Expertise you can count on

- Murray J. Pettitt PhD  
Research Scientist – External  
Research Services
- John F. Patience PhD  
President, CEO

### GLP/GCP-trained technical staff

- Ms. Raelene Petracek BSA
- Ms. Alison Orr BSA



**Digestible Energy**  
**Metabolizable Energy**  
**Whole Tract Digestibilities**  
**Ileal Amino Acid Digestibilities**



*Customized Digestibility Studies*

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## *Do you need digestibility values?*

The nutritive value of feedstuffs is not entirely reflected by its gross energy and total chemical content.. Different nutrient fractions have different digestibilities.



Factors such as water content, chemical composition of fibre, protein content, ration composition, processing, particle size and rate of passage impact nutrient digestibility. Site of digestion and endogenous secretions are particularly important in determining amino acid digestibility. Thus, determining nutrient digestibilities helps to more accurately predict the proportion of each nutrient that has value to the animal.

Your clients may request ileal amino acid or digestibility values for your feedstuffs. Or they may ask whether your new feed additive improves the digestibility of dietary fractions. Providing such information would allow your clients to use your feedstuffs or feed additive most effectively and allow them to make comparisons against industry ingredient standards.

### **... Share the costs**

Digestibility work can amount to a significant investment for a single company. However, PSCI coordinates companies interested in this service and divides up the initial cannulation costs and spreads out the investment in labour requirements. We also reduce your laboratory analyses costs by subcontracting based on the combined volume of participating client companies.



Technician collecting ileal digesta from a pig housed in a metabolic pen designed for long-term studies



Intact pig housed in a metabolic tubular crate for short-term collection of faeces and urine

### **Customized service**

PSCI not only recognizes the general need for digestibility studies, but also the individuality of research needs among companies. We customize the writing of your study protocol, diet formulation and mixing, feeding schedule, specimen collection and processing, data calculations and final report preparation to meet your company's specific needs.

**For further information contact:**  
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