
# Method to Increase Body Weight Uniformity and Carcass Yield in Animals

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**WARF: P04184US**

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**The Wisconsin Alumni Research Foundation (WARF) is seeking commercial partners interested in developing a method of improving the uniformity of body weight among a group of animals and increasing animal carcass yield.**

## Overview

Prostaglandins and leukotrienes are believed to cause gastrointestinal inflammation that negatively affects the ability of animals to convert feed into body weight. Reducing the bioavailability of prostaglandin or leukotriene precursors can enhance animal growth and improve feed efficiency.

## The Invention

UW-Madison researchers have now shown that reducing the bioavailability of prostaglandin or leukotriene precursors also improves the uniformity of body weight among a group of animals and increases animal carcass yield. To reduce the bioavailability of prostaglandin or leukotriene lipid precursors, an agent, preferably an anti-PLA2 antibody, is administered to the animals.

## Applications

- Meat animal production

## Key Benefits

- Could help facilitate automation of the slaughtering process by increasing body weight uniformity among animals raised for meat
- Reduces cost of meat processing
- Reduces competition among animals raised together because animals are more similar in size
- Minimizes problem of overfeeding or underfeeding groups of birds raised for egg production
- Enhances carcass yield
- Method useful for all animals, including birds, mammals, and fish

**Tech Fields**

- Animals, Agriculture & Food : Animal nutrition

For current licensing status, please contact Emily Bauer at emily@warf.org or 608-960-9842