

**Land O Lakes,
LabDiet Meeting PowerPoint Agenda**

August 6, 2014
1:30pm

Presentation Meeting Agenda

Invitees: University of San Paulo and other animal facilities in Brasil

- I. Agenda-Who we are as a company, Quality Control, Feed Capabilities, Custom Dies Contingency/ Food safety, Variability in feed
- II. Overview of Divisions of Land O Lakes
- III. Manufacturing Plant and Processes of our Quality Control and Procedures internally externally
- IV. Overview on, Standard, Certified, Verified diets, Custom Diets, Irradiated, Specialized products.
- V. LabDiet Formulation process (Managed Formulation) Constant Nutrition.
- VI. Overall Quality Control procedures on the Plant Manufacturing, Testing of Raw Materials, Audit process
- VII. Evaluating your diet and key points
- VIII. TestDiet- Custom Diets, Locations, custom diet process and why,
 1. Medicated diets
 2. Specialty diets
 3. Enrichment Diets
 4. Capabilities
- IX. Who uses are feed- Charles River, Taconic, Jax Labs, etc...
 - a) Land O Lakes contingency Plan
 - b) Most used diets 5053, 5058 and new diets 5V5R, 5V5M

- c) Food Safety Certification/ Human Grade consumption/ Food Safety Modernization act
- d) Plant Upgrades, Vacuum system, Receiving Bay, Micro Room

X. Summary

XI. Questions

COFFE BREAKE

Nutrition presentation

- I. Agenda/Introduction
- II. What determines which diet to use
- III. Ingredient and nutrient variation and how it affects your research
 - a. Crop inconsistency
 - b. Nutrients in diet
 - i. Manufacturing
 - ii. Autoclaving
 - 1. Versus irradiation
 - iii. Storage
 - iv. Variation
 - 1. Inherent, manufacturing, processing, sample/assay variation
- IV. Formulation—Constant Nutrition mitigates ingredient variability

- V. Interpreting a diet spec sheet
 - a. Ingredients
 - b. Nutrients
 - i. Protein
 - ii. Fat
 - iii. Carbohydrate
 - iv. Minerals
 - v. Vitamins

- VI. The way nutrients/diet affect Animal Performance

- VII. Use of animal protein in diets
 - a. Pros and cons

- VIII. Non-nutrients in diet
 - a. Phytoestrogens (brief)

- IX. Questions