ABSTRACT

Summary:

Dietary fat containing 5% sucrose polybehenate, a non-absorbable food additive, is fed in a semi-synthetic diet containing absorbable fat to rodents. The animals eat the diet ad lib for 3 days. Two or more fecal pellets are collected on days 3 and 4. Fat absorption is calculated from the ratios of behenic acid to other fatty acids in the diet and in the feces as analyzed by gas chromatography of fatty acid methyl esters.

MATERIALS

Rodent Diet With 45 kcal% Fat and Modification To 16% Fat (Mostly Safflower Oil or Butter Fat) With 5% Fat as Sucrose Polybehenate Research Lab Diets Catalog #D07031501-02
**Protocol status:** Working
We use this protocol and it's working

**Created:** Jan 31, 2019

**Last Modified:** May 09, 2019

**PROTOCOL integer ID:** 19859

**Keywords:** Dietary fat, 5% sucrose polybehenate, a non-absorbable food additive, fat absorption

1. **Animal Feeding and Fecal Collection:**

   **MONDAY:**
   
   REPLACE CHOW WITH TEST DIET

   **TUESDAY:**
   
   CONTINUE TEST DIET,
   
   NEW CAGE BEDDING BEFORE FEEDING PERIOD

   **WEDNESDAY:**
   
   CONTINUE TEST DIET
   
   (DAY 3 – RETURN)
   
   COLLECT 5-8 FECAL PELLETS/ANIMAL
   
   CHANGE CAGE BEDDING BEFORE FEEDING PERIOD

   **THURSDAY:**
   
   COLLECT 5-8 FECAL PELLETS/ANIMAL
   
   (DAY 4 – RETURN)