

Diet Preparation

Smithers Viscient has established diet preparation facilities and has added analytical support services to support rodent, avian, and fish testing. We can provide services with dosed diets, dosed water, and gavage solutions. Diets can be mixed with test articles in solution or solid state in concentrations as low as 0.1 parts-per-billion. Dosed-feed production capability exceeds 2,000 kg per year.



Services

- Feed acquisition
- Test substance preparation
 - Solutions/suspensions prepared for feed mixing

Diet preparation

- Feed and test substance mixed via Schatz inversion kinematic motion, generated by a Max Sphere® inversion mixer
- Equipped to handle challenges associated with incorporating either liquid solutions or dry test substances into basal feeds
- Capable of achieving excellent homogeneity with low coefficient of variation
- Final stages of diet preparation conducted within positive-pressure air flow through HEPA filtration
- Prepared diets (pelletized or meal form) packaged and labeled by dose level
- Optional: Diets pelletized via non-heated extrusion and air-dried

Analytical Chemistry

- Stability testing and verification
- Homogeneity verification
- Concentration verification

Deliverables

- Frozen diets delivered overnight by courier, as specified by sponsor
- Diet preparation and analytical reports provided under separate protocol and study report, or as attachment to client protocol and report



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