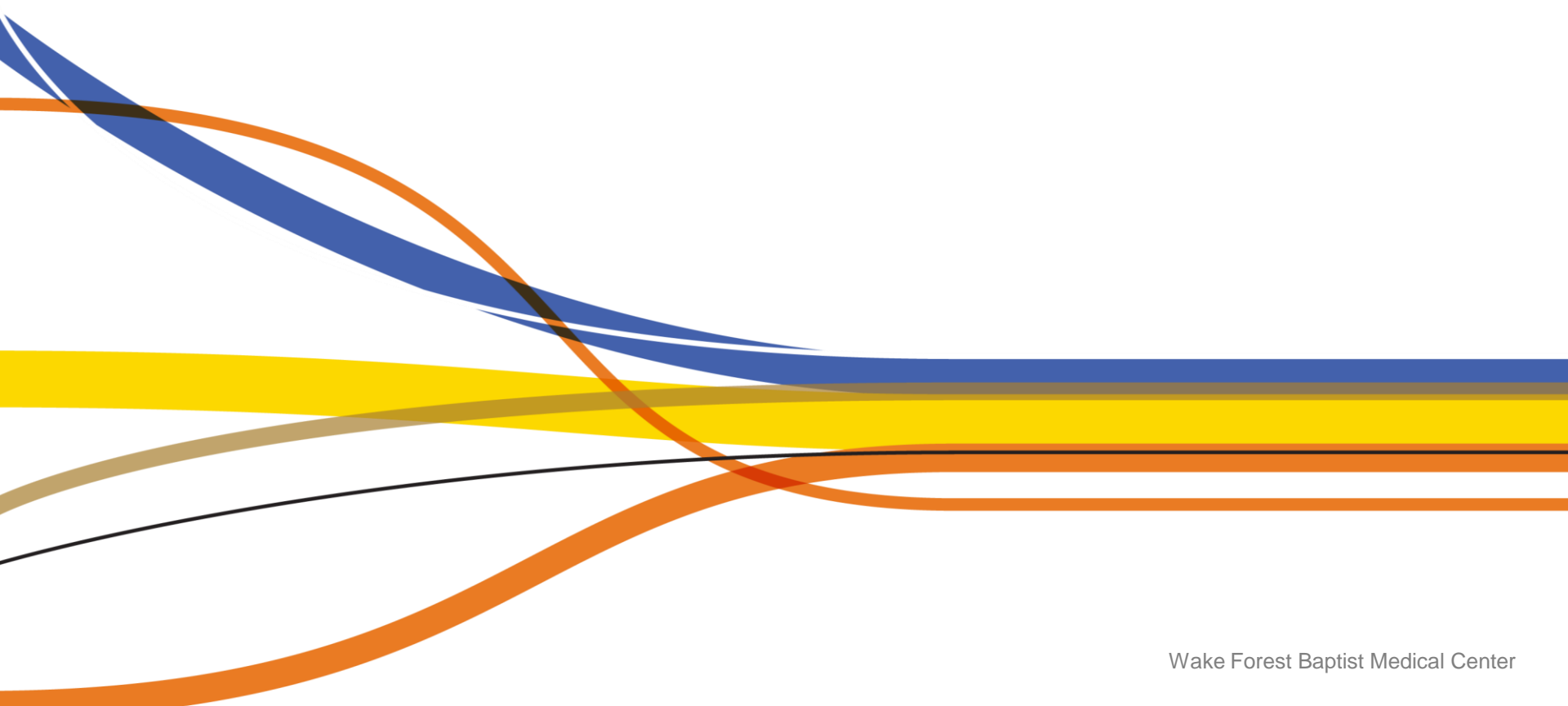


Diet Laboratory

Susan E. Appt, DVM, Associate Professor Pathology



Scientific Focus of the Diet Laboratory

- To provide diets for animal models to meet individualized preclinical research needs
- To provide diets for animal models that mimic closely the nutritional context within which human disease develops

Services Available

- **Develop custom research diets** in collaboration with Principal Investigators
- **Identify** sources of ingredients (natural, semi-purified and purified)
- **Test** nutrient content of ingredients
- **Incorporate test compounds** into diets
- **Archive** diet samples for quality control and future testing
- **Archive** diet formulas for future use

Diet Laboratory Resources

Diet 0907 INGREDIENT	GM PER 100 GM	GRAMS PROTEIN	GRAMS LIPID	GRAMS CARBO	CAL/100 GM OF DIET	MG CHOL
Casein, USP	8.50	7.44	0.09		30.58	0.33
Lactalbumin	8.50	7.59	0.23		32.45	0.85
Wheat Flour, self-rising	35.76	3.33	0.36	26.39	125.88	
Dextrin	9.00			9.00	36.00	
Sucrose	7.00			7.00	28.00	
Alphacel	8.00					
Lard	5.00		5.00		45.10	4.75
Beef Tallow	4.00		4.00		36.08	4.36
Butter, lightly salted	3.10	0.03	2.51	0.00	22.23	6.79
Safflower Oil (linoleic)	3.00		3.00		26.52	
Crystalline Cholesterol	0.092					92.00
Complete Vitamin Mix *	2.50			2.02	8.00	
Mod. #2 Ausman-Hayes****	5.00					
Calcium Carbonate	0.400					
Calcium Phosphate, Monobasic	0.150					
TOTAL (Calories)	100.00	18.38	15.20	44.41	390.83	109.08
		73.51	136.77	177.63		
Cholesterol (mg/Calorie)	0.28					
Protein (% of Calories)	19.0					
Lipid (% of Calories)	35.3					
Carbo (% of Calories)	45.8					
Calcium (mg/100 gm diet)	288.8					
Phos. (mg/100 gm diet)	281.8					
Calcium/Phosphorus	1.02					
FATTY ACIDS:	% OF FAT	% OF CALORIES				
Saturated (%)	41.8	14.7				
Monounsaturated (%)	35.6	12.6				
Polyunsaturated (%)	22.6	8.0				



Research Diet Composition Database
> 1500 Diets



Whey Protein Isolate 895



Contact Information

An aerial photograph of a campus, likely Wake Forest University, showing several large buildings, a central pond, and surrounding greenery. The buildings are mostly white and grey, with some red roofs. The pond is a dark blue color and is surrounded by trees. The overall scene is a mix of natural and built environments.

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