

**Supplemental table 1.** Compositionally defined diet used in this study

Product #	D12450J		D13081108		D13081109	
	CDD		CDD: Inul		CDD: Cell	
	gm%	kcal%	gm%	kcal%	gm%	kcal%
Protein	19	20	18	20	17	20
Carbohydrate	67	70	74	70	59	70
Fat	4	10	4	10	4	10
Total		100		100		100
kcal/gm	3.8		3.5		3.37	
Ingredient	gm	kcal	gm	kcal	gm	kcal
Casein	200	800	200	800	200	800
L-Cystine	3	12	3	12	3	12
Corn Starch	506.2	2025	456.2	1825	506.2	2025
Maltodextrin 10	125	500	125	500	125	500
Sucrose	68.8	275	68.8	275	63.8	255
Cellulose, BW200	50	0	0	0	200	0
Inulin	0	0	200	200	0	0
Soybean Oil	25	225	25	225	25	225
Lard	20	180	20	180	20	180
Mineral Mix, S10026	10	0	10	0	10	0
DiCalcium Phosphate	13	0	13	0	13	0
Calcium Carbonate	5.5	0	5.5	0	5.5	0
Potassium Citrate, 1 H <sub>2</sub> O	16.5	0	16.5	0	16.5	0
Vitamin Mix, V10001	10	40	10	40	10	40
Choline Bitartrate	2	0	2	0	2	0
FD&C Yellow Dye #5	0.04	0	0.025	0	0	0
FD&C Red Dye #40	0	0	0	0	0	0
FD&C Blue Dye #1	0.01	0	0.025	0	0.05	0
<b>Total</b>	<b>1055.1</b>	<b>4057</b>	<b>1155.1</b>	<b>4057</b>	<b>1205.05</b>	<b>4057</b>