

S4 Table. Data for Fructose AdjC_{max}/D, AUC/D, and Bioavailability.

Rat ID	Gavage Treatment	BW (g)	Fructose Amount (mg)	Dose (mg/g)	Fructose AdjC _{max_sys} /D (mg/dL/(mg/g))	Fructose AdjC _{max_pv} (mg/dL/(mg/g))	Fructose AUC _{sys} /D (mg/dl*min/(mg/g))	Fructose AUC _{pv} /D (mg/dl*min/(mg/g))	Q _{pv} (ml/min/kg)	K _{b/p}	F _a x F _g	F _h	F	E _h
Rat #104	Fructose	270.7	250	0.924	5.39	42.25	1104.53	3904.65	32.9	0.711	0.655	0.283	0.185	0.717
Rat #106	Fructose	263.4	250	0.949	7.24	38.60	1277.88	3318.92	32.9	0.711	0.477	0.385	0.184	0.615
Rat #109	Fructose	264.3	250	0.946	7.14	38.83	1192.80	3192.25	32.9	0.711	0.468	0.374	0.175	0.626
Rat #111	Fructose	246.6	250	1.014	6.06	57.68	1198.40	5807.84	32.9	0.711	1.078	0.206	0.222	0.794
Rat #113	Fructose	247.0	250	1.012	4.72	57.02	1109.42	4359.89	32.9	0.711	0.760	0.254	0.193	0.746
Rat #116	Fructose	280.8	250	0.890	7.26	40.09	1242.32	2597.60	32.9	0.711	0.317	0.478	0.152	0.522
Rat #119	Fructose	255.6	250	0.978	5.35	37.65	1199.97	3513.77	32.9	0.711	0.541	0.342	0.185	0.658
Rat #121	Fructose	282.0	250	0.887	5.59	31.59	1275.26	4006.66	32.9	0.711	0.639	0.318	0.203	0.682
Rat #201	45/55 Glucose/Fructose	303.1	137.5	0.454	8.60	76.06	1601.73	4068.41	32.9	0.711	0.577	0.394	0.227	0.606
Rat #203	45/55 Glucose/Fructose	269.7	137.5	0.510	9.56	98.19	1639.92	4561.91	32.9	0.711	0.684	0.359	0.246	0.641
Rat #212	45/55 Glucose/Fructose	250.8	137.5	0.548	8.88	66.75	1411.67	3589.09	32.9	0.711	0.509	0.393	0.200	0.607
Rat #216	45/55 Glucose/Fructose	259.3	137.5	0.530	7.96	44.35	1872.04	4309.49	32.9	0.711	0.570	0.434	0.248	0.566
Rat #219	45/55 Glucose/Fructose	269.3	137.5	0.511	8.02	51.40	1779.96	3640.24	32.9	0.711	0.435	0.489	0.213	0.511
Rat #223	45/55 Glucose/Fructose	266.1	137.5	0.517	9.28	57.87	1907.86	4218.20	32.9	0.711	0.540	0.452	0.244	0.548
Rat #226	45/55 Glucose/Fructose	266.9	137.5	0.515	9.78	81.78	1753.55	4265.97	32.9	0.711	0.588	0.411	0.242	0.589
Rat #230	45/55 Glucose/Fructose	258.3	137.5	0.532	10.44	63.59	1941.10	3936.39	32.9	0.711	0.467	0.493	0.230	0.507
Rat #233	45/55 Glucose/Fructose	291.4	137.5	0.472	11.08	62.09	2050.05	3978.47	32.9	0.711	0.451	0.515	0.232	0.485
Rat #239	45/55 Glucose/Fructose	267.2	137.5	0.515	11.91	76.30	2454.68	4350.27	32.9	0.711	0.443	0.564	0.250	0.436
Rat #204	Sucrose	282.8	125	0.442	7.05	114.21	1529.56	4296.58	32.9	0.711	0.647	0.356	0.230	0.644
Rat #205	Sucrose	271.9	125	0.460	10.14	54.14	1652.44	3181.47	32.9	0.711	0.358	0.519	0.186	0.481
Rat #211	Sucrose	261.3	125	0.478	6.28	86.02	1374.05	5530.11	32.9	0.711	0.972	0.248	0.242	0.752
Rat #221	Sucrose	272.0	125	0.460	10.99	80.34	2232.43	4835.20	32.9	0.711	0.609	0.462	0.281	0.538
Rat #222	Sucrose	272.0	125	0.460	7.98	71.07	2314.02	4484.45	32.9	0.711	0.508	0.516	0.262	0.484
Rat #228	Sucrose	283.5	125	0.441	6.14	58.10	1920.06	4669.96	32.9	0.711	0.643	0.411	0.264	0.589
Rat #231	Sucrose	268.1	125	0.466	8.93	47.39	1959.17	3974.39	32.9	0.711	0.471	0.493	0.232	0.507
Rat #236	Sucrose	288.3	125	0.434	9.59	72.51	1927.81	3743.17	32.9	0.711	0.425	0.515	0.219	0.485
Rat #237	Sucrose	280.4	125	0.446	11.45	79.14	2192.52	4104.75	32.9	0.711	0.447	0.534	0.239	0.466

AdjC_{max}/D = adjusted maximum observed concentration normalized by fructose dose. AUC/D = area under the curve normalized by fructose dose. BW = body weight at sacrifice. D = fructose amount/body weight. E_h = hepatic extraction ratio.

F = systemic bioavailability. F_a x F_g = intestinal availability. F_h = hepatic availability. K_{b/p} = whole blood to plasma concentration ratio. PV: portal vein. Q_{pv} = portal blood flow. SYS: femoral vein.