

Table 1. α/β ratios for tumors irradiated and assayed *in situ*

Tumor	Assay	Conditions	Numbers of fractions	Interfraction interval (hours)	Maximum overall time (days)	Dose per fraction (Gy)	α/β ratio (Gy)	95% C.L. (regression of reciprocal plot)	Ref. no.
1. Mam.Ca.N.T.	G.D.	MISO 0.67 mg/g	1, 2, 5	48	9	6-19	17.9	17.3-18.5	9
2. Mam.Ca.N.T.	G.D.	MISO 0.67 mg/g	1, 2, 5	48	9	6-14	16.2	13.4-19.1	7
3. Fibrosarcoma A	G.D.	MISO 0.67 mg/g	1, 2, 5	24	4	7-22	19.5	7.1-31.9	9
4. C ₃ H Mam.Ca.	TCD ₅₀	MISO 0.67 mg/g	1, 3, 5	24	4	9-25	12.2	9.4-15.1	21
5. Fibrosarcoma FSA	in situ growth	"oxic" microscopic lung colonies	1, 2, 5	3	0.5	3-10	9.2	8.6-9.8	34
6. Mam.Ca.N.T.	G.D.	MISO 1.0 mg/g	1, 2, 5	24	4	5-15	5.1	4.4-5.9	*
7. Slow Sarcoma S	G.D.	MISO 0.67 mg/g	1, 2, 5	24	4	5-18	36.0	25.5-47.5	†
8. Ca M.T. anaplastic	TCD ₅₀	MISO 0.2 mg/g	5, 20	12-24	9	5-14	25.7	—	42
9. Fibrosarcoma Sa FAa	G.D.	MISO 0.67 mg/g	1, 5	24	4	8-24	20.3	—	8
10. Fibrosarcoma SA FAb	G.D.	MISO 0.67 mg/g	1, 5	24	4	7-24	31.8	—	8
11. Slow sarcoma S	G.D.	MISO 0.67 mg/g	1, 5	24	4	5-19	30.1	—	†