

Table 3.  $\alpha/\beta$  ratios for tumors irradiated *in situ* and assayed after excision

Tumor	Assay	Irradiation conditions	Interval from irradiation to excision (hours)	Range of doses (Gy)	$\alpha/\beta$ ratio (Gy)	95% C.L.	Ref. no.
Sensitized by misonidazole							
23 KHT sarcoma	Lung or agar colonies	MISO 0.5 mg/g	N/S	5-20	86.8	-14.6 to +188.2	27
24 KHT sarcoma	Lung or agar colonies	MISO 0.5 mg/g	N/S	2-15	11.7†	10.1 to 13.2	27
25 KHT sarcoma	Lung colony	MISO 1 mg/g	N/S	5-25	47.9	21.2 to 76.6*	39
26 Lewis lung tumor	<i>In vitro</i> clones	MISO 1 mg/g	N/S	5-13	7.4	-3.42 to 18.2*	44
27 Melanoma B16	<i>In vitro</i> clones	MISO 1 mg/g	N/S	7-20	32.3	9.5 to 55.2*	44
28 Melanoma EE	Agar colonies	MISO 0.5 mg/g	Immed.	5-13	5.1	0.1 to 10.1*	41
29 Melanoma EE	Agar colonies	MISO 0.5 mg/g	14 hrs.	5-15	6.7	2.3 to 11.2*	41
Anoxic‡							
30 Rhabdomyosarcoma BA 1112	Endpoint dilution	Dead host	0 (?)	5-38	1.6	-5.9 to 9.0	40
31 Rhabdomyosarcoma R-1	<i>In vitro</i> clones	Dead host	N/S	6-32	9.6	7.4 to 11.8	3
32 Fibrosarcoma R1B <sub>5</sub>	<i>In vitro</i> clones	Clamped	N/S	11-30	9.9	2.8 to 17.0	35
33 KHT sarcoma	Lung colony	Dead host	N/S	10-35	11.2	8.9 to 13.6	28
34 KHT sarcoma	Lung colony	Dead host	N/S	9-33	10.7	8.0 to 13.5	26
35 KHT sarcoma	Not stated	"Anoxic"	Immed.	5-29	11.7	7.2 to 16.1	25
36 EMT6	<i>In vitro</i> clones	Dead host	N/S	3-25	8.2	15.6 to 10.7	43
37 EMT6	<i>In vitro</i> clones	Dead host	N/S	10-30	2.3	-5.5 to +10.2	23
38 Melanoma Na 11	<i>In vitro</i> clones	Dead host	N/S	5-25	19.9	17.2 to 22.7	23
39 Melanoma EE	Agar colonies	Dead host	Immed.	5-25	1.2	-0.9 to 3.3*	41
40 Melanoma VN	Agar colonies	Dead host	10 min.	5-25	8.3	4.9 to 11.7*	16
41 Melanoma GE	Agar colonies	Dead host	10 min.	5-25	25.6	6.8 to 44.3*	16
42 Fibrosarcoma (band 2)	Lung colony	Dead host	N/S	3-30	8.8	2.9 to 14.6	22
43 Fibrosarcoma (band 4)	Lung colony	Dead host	N/S	3-30	5.5	-0.4 to + 11.4	22
Naturally oxic							
44 Rhabdomyosarcoma R-1§	<i>In vitro</i> clones	Air breathing	N/S	2-8	6.7	2.3 to 11.0	3
45 Lewis lung tumor (1 mm <sup>3</sup> nodules)	<i>In vitro</i> clones	Air breathing	N/S	2-11	24.7	-10.6 to +59.9*	44
46 B16 melanoma (1 mm <sup>3</sup> nodules)	<i>In vitro</i> clones	Air breathing	N/S	5-15	33.3	-5.9 to +72.5*	44
Naturally hypoxic‡							
47 Fibrosarcoma (band 4)	Lung colony	Air breathing	N/S	3-30	7.5	0.3 to 14.8	22
48 Fibrosarcoma (band 4)	Lung colony	Air breathing	1-2 hr	1-19	<10.9**	6.2 to 15.7	50