

ANALYSES OF LUNGS OF GUINEA PIGS EXPOSED TO DUST IN INHALATION EXPERIMENT WITH 100 PER CENT BALL-MILLED ASBESTOS DUST

	Time from beginning of dust exposure											
	months	months	months	months	months	months	months	months	months	months	months	months
	1	2	3	5	8	12	16	20	24	24	24	24
Exposure to dust	1	2	3	5	8	12	16	20	24	24	24	24
Period in normal air	0	0	0	0	0	0	0	0	0	0	0	0
Amount of ash (% of dried lung)	4.85	4.66	5.60	5.10	4.35	5.05	5.40	5.65	6.30	5.58	5.58	5.58
Total SiO ₂ (% of dried lung)	0.21	0.23	0.70	0.53	0.52	1.25	1.02	1.28	1.85	1.21	1.21	1.21
Total SiO ₂ (% of ash)	7.05	7.40	6.39	7.47	11.86	22.15	18.95	22.60	29.05	21.70	21.70	21.70
Tissue Reaction	0	0	0	0	0	0	±	±	±	±	±	±

	Time from beginning of dust exposure					
	months	months	months	months	months	months
	30	28	8	12	12	12
Exposure to dust	28	28	8	12	12	12
Period in normal air	2	2	2	2	2	2
Amount of ash (% of dried lung)	7.25	5.25	5.98	6.38	6.17	6.17
Total SiO ₂ (% of dried lung)	1.67	0.88	0.67	0.84	0.84	0.84
Total SiO ₂ (% of ash)	21.63	12.99	14.55	13.08	12.41	12.41
Tissue Reaction	+	+	+	2+	2+	2+

The symbols averaging the tissue reaction in each group represent merely the relative degree of reaction, ranging from 0 to ± (questionable) to 2+ (the maximum observed in this experiment). The relationships apply only within this table and cannot be compared with symbols in other tables.