

The following table summarises the result:—

Series.	Number of Scarifications.	Number of Vesicles obtained.	Remarks.	
			Cases done.	Cases successful.
		Per Cent.		Per Cent.
22	921	724 = 78·6	318	280 = 88·0
24	70	42 = 60·0	25	17 = 68·0
25	160	108 = 67·5	68	48 = 70·0
26	71	36 = 50·0	21	15 = 71·0
27	22	12 = 54·5	9	6 = 66·6
31	278	128 = 46·0	103	69 = 67·0
32	166	107 = 64·4	62	49 = 79·0
33	181	130 = 71·8	60	54 = 90·0
34	42	34 = 81·0	16	13 = 81·3
35	584	497 = 85·1	179	173 = 96·6
36	27	8 = 29·6	8	3 = 37·5
37	124	19 = 15·3	44	10 = 22·7
38	35	16 = 45·7	12	7 = 58·3
39	344	62 = 18·0	116	27 = 23·2
40	447	262 = 58·6	155	112 = 72·2
41	285	250 = 87·7	100	93 = 93·0
42	344	181 = 52·6	121	86 = 71·0
42 (kept at normal)	150	87 = 58·0	50	38 = 76·0
Revaccinations	4,251	2,703 = 63·5	1,467	1,100 = 75·0
	170	81 = 47·6	55	33 = 60·0
Total	4,081	2,622 = 64·2	1,412	1,067 = 75·6

PATHOLOGICAL EXAMINATIONS.

The following table shows the pathological examinations made at the Health Department Laboratory, Museum Street. They are classified according to the nature of the research made, while the solid tissues are subclassified according to results. In all branches of work there is an increase, but most markedly in the urines, which have run from 145 last year to 296; swabs for diphtheria, from 75 to 169; blood, from 27 to 71; and tissues, from 204 to 250. These returns do not include the work I did at the Auckland Laboratory, where many hundreds of specimens in connection with plague were examined by myself or under my supervision. The following table shows general results of the examination of pathological specimens:—

Material.	Object of Examination.	Result.		Total.
		Positive.	Negative.	
Sputum	For tubercle	129	256	385
	" other conditions	14	2	16
Total	...	...	...	401
Purulent and other discharges—	For gonococcus	17	18	35
Pus	" pyogenic organisms	4	2	6
	" tubercle bacilli	...	4	4
	" plague	2	3	5
	" other conditions	...	8	8
Pleuritic fluid	" tubercle	...	7	7
	" influenza bacillus	1	...	1
Other discharges	Bacteriological	6	...	6
Total	...	...	...	72
Blood-samples	For Widal reaction	14	39	53
	" estimation of leucocytes, &c.	5	...	5
	" malaria	1	1	2
	" leprosy bacillus	2	1	3
	" other organisms	5	3	8
Total	...	...	...	71
Swabs from the throat, &c.	For diphtheria	67	93	160
	" streptococci	5	1	6
	" pneumococci	3	...	3
Total	...	...	...	169