

TABLE 11—Protocol of Experiment 2. INJECTION INTO A DOG OF A 4 PER CENT. SOLUTION OF SODIUM BICARBONATE, FOLLOWED BY N/3 HYDROCHLORIC ACID.* MALE; Weight, 6.25 kg.

Time	Total Amount Injected (c.c.)		Blood					Alveolar CO ₂ Tension, mm. Hg	Remarks		
	4% NaHCO ₃	N/3 HCl	N + HCl (c.c.)		N + NaOH (c.c.)						
			pH	0.1	0.2	0.3	0.1			0.2	0.3
10:50	...	...	...	7.35	7.3	7.2	7.35	7.4	7.45	11.1	Bag on table.
10:53	...	...	...	...	...	...	...	...	...	...	Injection of alkali begun.
11:15	175	...	...	...	...	...	...	...	...	...	Animal very restless.
11:20	200	...	...	7.7	7.7	...	7.8	7.85	...	33.7	Injection stopped.
11:30	...	...	...	...	...	...	...	...	...	...	Injection resumed; quieter.
11:35	275	...	...	...	...	...	...	...	...	...	deep, shorting respirations; watery defecation.
11:38	355	...	...	...	...	...	...	...	...	...	Still defecating at intervals; profuse diuresis; pH urine, 7.85.
11:40	...	...	...	7.55	7.5	7.65	7.6	7.65	7.9	63.7	Injection of alkali stopped.
12:11	...	...	...	...	...	...	...	...	...	...	Injection of acid begun.
12:16	...	50	...	...	...	...	...	...	...	...	Restless.
12:20	...	...	...	...	...	...	...	...	...	...	Respirations 20 per minute, slow, deep and regular
12:24	...	150	...	7.35	7.2	7.15	7.4	7.4	7.5	40.1	Respirations very slow and deep.
12:38	...	200	...	...	...	...	...	...	...	...	...
12:42	...	250	...	7.3	7.2	7.15	...	7.3	7.35	27.9	Bag seems in fairly good condition. Still passing watery stools. Recovered.
1:00	...	...	...	...	...	...	...	...	...	...	...

* Injections made into leg vein; blood for examination withdrawn from jugulars; solution of bicarbonate made up in distilled water; HCl made up in 0.8 per cent. salt solution. Arrows mark beginning and end of injections.