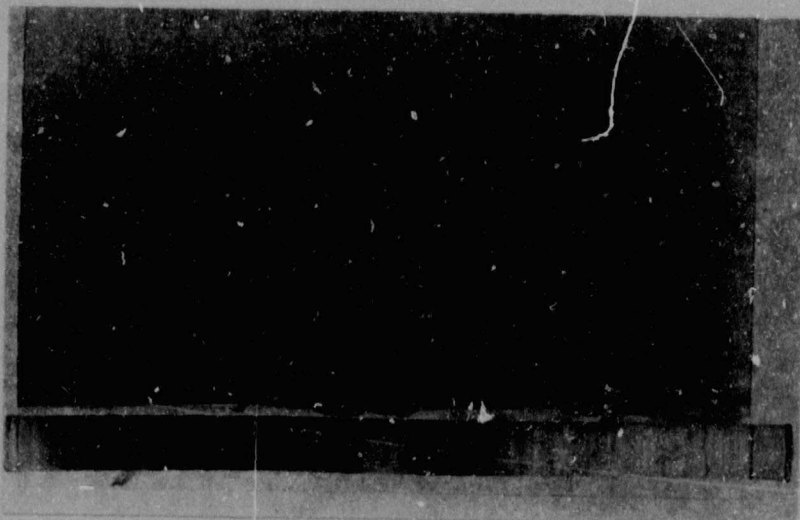
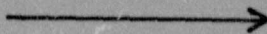


Direction of separation of proteins with polyacrylamide gel.

PLATE 18

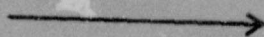
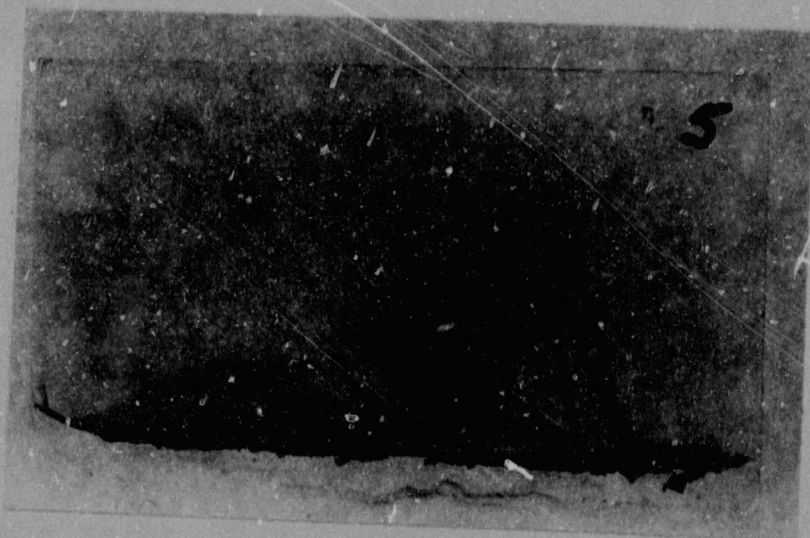
Crossed immunoelectrophoresis of rat plasma after heat exposure with antibodies against normal plasma.



Direction of separation of proteins with polyacrylamide gel.

PLATE 19

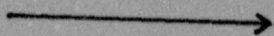
Crossed immunoelectrophoresis of rat interstitial fluid after heat exposure with antibodies against normal plasma.



Direction of separation of proteins with Sephadex gel.

PLATE 20

Crossed immunoelectrophoresis of rat plasma after heat exposure with antibodies against normal plasma.



Direction of separation of proteins with Sephadex gel.

PLATE 21

Crossed immunoelectrophoresis of rat interstitial fluid after heat exposure with antibodies against normal plasma.

TABLE 12

Plasma values after treadmill exercise.

RAT	PRO- TEIN g%	PROTEIN FRACTIONS (Fastest to slowest)											GLO- BULIN g%	A/G	HEMA- TOCRIT %	
		ALBU- MIN g%	1 g%	2 g%	3 g%	2+3 g%	4 g%	5 g%	6 g%	7 g%	8 g%	9 g%				8+9 g%
1	8,4	3,5	0,6	1,3	0,3	1,6	0,4	0,5	0,3	0,6	0,5	0,3	0,8	4,9	0,7	52
2	7,9	2,9	0,5	1,1	0,5	1,6	0,4	0,5	0,3	0,6	-	-	1,0	5,0	0,6	50
3	7,4	2,9	0,7	-	-	0,3	1,1	1,1	0,1	0,5	-	-	0,6	4,5	0,6	51
4	8,2	3,3	0,9	-	-	1,6	1,1	0,3	0,6	0,3	-	-	0,2	4,9	0,7	49
5	8,1	3,6	0,8	-	-	1,2	0,4	0,7	0,3	0,5	-	-	0,7	4,5	0,8	51
6	7,5	3,0	0,8	-	-	1,0	0,4	0,6	0,4	0,5	0,5	0,3	0,8	4,5	0,7	51
MEAN	7,92	3,2	0,72	1,20	0,40	1,22	0,63	0,62	0,33	0,5	0,5	0,3	0,68	4,72	0,7	51
S.D.	+0,40	+0,31	+0,15	+0,14	+0,14	+0,52	+0,36	+0,27	+0,16	+0,11	0,0	0,0	+0,27	+0,24	+0,08	+1,03

TABLE 12 (CONTINUED)

Interstitial fluid values after treadmill exercise.

PROTEIN FRACTIONS (Fastest to slowest)															
RAT	PRO- TEIN g%	ALBU- MIN g%	1 g%	2 g%	3 g%	2+3 g%	4 g%	5 g%	6 g%	7 g%	8 g%	9 g%	8+9 g%	GLO- BULIN g%	A/G
1	2,8	1,6	0,1	0,1	0,1	0,2	0,1	0,2	0,2	0,2	-	-	0,2	1,2	1,3
2	4,1	2,4	0,1	-	-	0,3	0,1	0,3	0,2	0,3	-	-	0,4	1,7	1,4
3	3,0	1,7	0,1	-	-	0,1	0,1	0,2	0,2	0,2	0,2	0,1	0,3	1,3	1,3
4	3,6	1,9	0,2	-	-	0,2	0,1	0,2	0,2	0,3	-	-	0,5	1,7	1,1
5	3,0	1,9	0,2	-	-	0,1	0,1	0,2	0,2	0,2	-	-	0,2	1,1	1,7
6	2,6	1,5	0,1	-	-	0,1	0,1	0,2	0,1	0,2	-	-	0,3	1,1	1,4
MEAN	3,18	1,83	0,13	0,1	0,1	0,17	0,1	0,22	0,18	0,23	0,2	0,1	0,32	1,35	1,57
S.D.	+0,56	+0,32	+0,05	0,0	0,0	+0,08	0,0	+0,04	+0,04	+0,05	0,0	0,0	+0,12	+0,28	+0,20

TABLE 13

Summary of results before and after treadmill exercise.

PLASMA

		PROTEIN FRACTIONS (Fastest to slowest)												GLO- BULIN g%	A/G	HEMA- TOCRIT %	
		PRO- TEIN g%	ALBU- MIN g%	1 g%	2 g%	3 g%	2+3 g%	4 g%	5 g%	6 g%	7 g%	8 g%	9 g%				8+9 g%
BE- FORE	MEAN S.D.	7,37 +0,67	3,23 +0,31	0,7 +0,17	0,32 +0,09	0,36 +0,07	0,68 +0,13	0,34 +0,14	0,65 +0,19	0,43 +0,16	0,53 +0,14	0,55 +0,23	0,28 +0,15	0,81 +0,37	4,12 +0,61	0,8 +0,12	48,4 +2,77
AF- TER	MEAN S.D. P	7,92 +0,40 0,05	2,20 +0,31 -	0,72 +0,15 -	1,20 +0,14 0,0001	0,40 +0,14 -	1,22 +0,52 0,005	0,63 +0,36 0,005	0,62 +0,27 -	0,33 +0,16 0,05	0,50 +0,11 -	0,5 0,0 -	0,3 0,0 -	0,68 +0,27 0,4	4,72 +0,24 0,05	0,7 +0,08 0,05	51,0 +1,03 0,05

INTERSTITIAL FLUID

		PROTEIN FRACTIONS (Fastest to slowest)												GLO-BULIN g%	A/G
		PRO- TEIN g%	ALBU- MIN g%	1 g%	2 g%	3 g%	2+3 g%	4 g%	5 g%	6 g%	7 g%	8 g%	9 g%	8+9 g%	
BE- FORE	MEAN S.D.	3,8 ±0,57	2,08 ±0,37	0,25 ±0,11	0,1 ±0,05	0,1 ±0,05	0,18 ±0,09	0,15 ±0,06	0,3 ±0,1	0,27 ±0,1	0,28 ±0,1	- -	- -	0,3 ±0,11	1,73 ±0,39
AF- TER	MEAN S.D. P	3,18 ±0,56 0,02	1,83 ±0,32 0,2	0,12 ±0,05 0,02	0,1 ±0,05 -	0,1 ±0,05 -	0,17 ±0,08 -	0,1 ±0,04 0,1	0,22 ±0,04 0,1	0,18 ±0,04 0,1	0,23 ±0,05 0,3	0,2 0,0 -	0,1 0,0 -	0,32 ±0,12 -	1,35 ±0,28 0,05

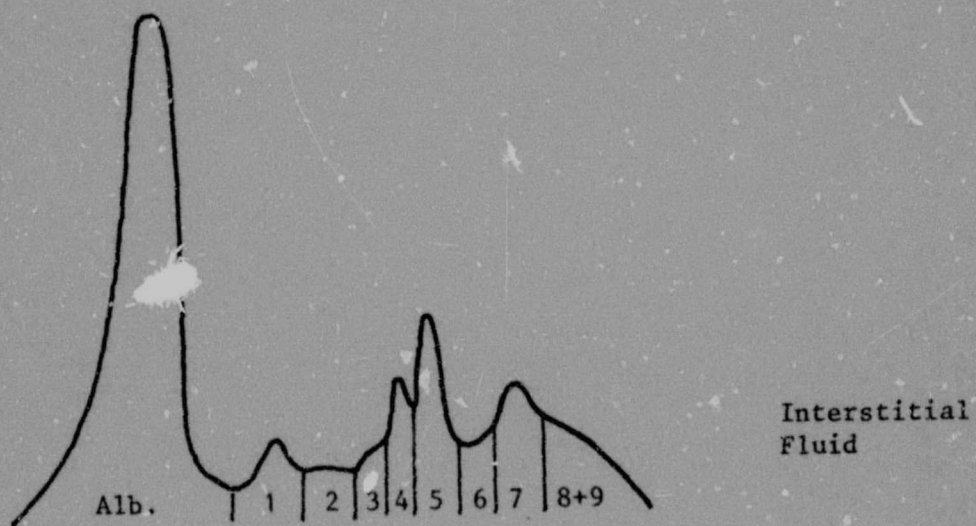
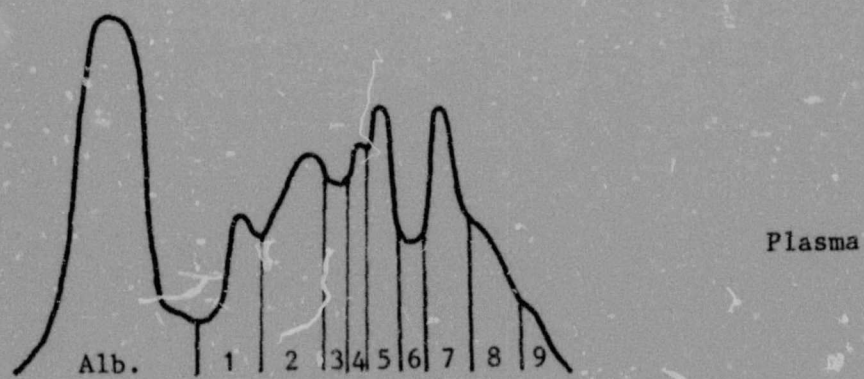
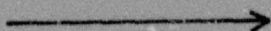
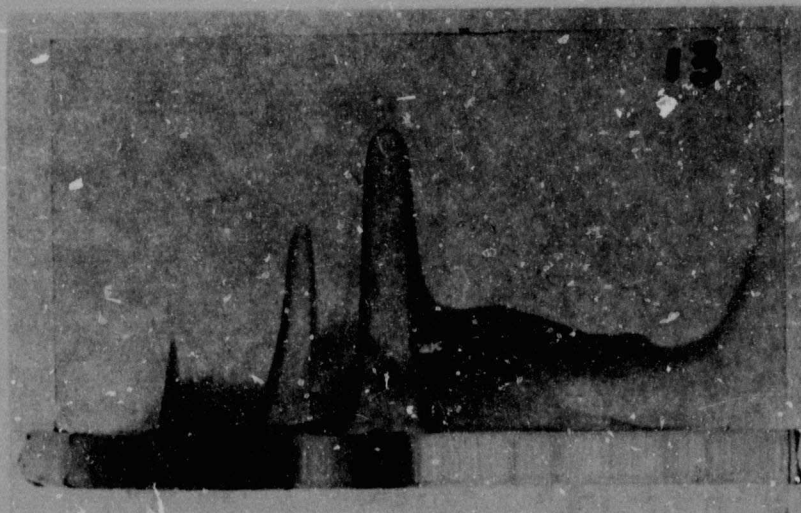


FIGURE 4

Typical polyacrylamide gel densitograms of the rat after treadmill exercise.

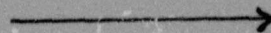
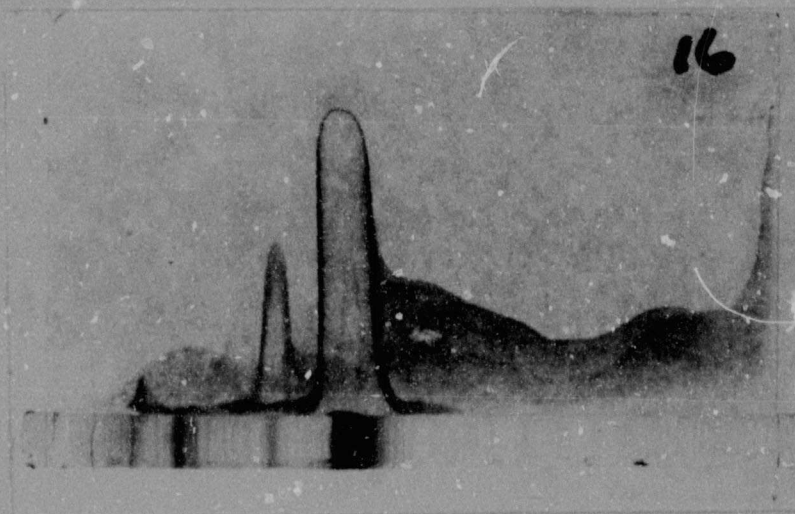
(Origin on the right.)



Direction of separation of proteins with polyacrylamide gel.

PLATE 22

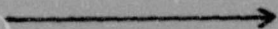
Crossed immunoelectrophoresis of rat plasma after exercise with antibodies against normal plasma.



Direction of separation of proteins with polyacrylamide gel.

PLATE 23

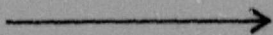
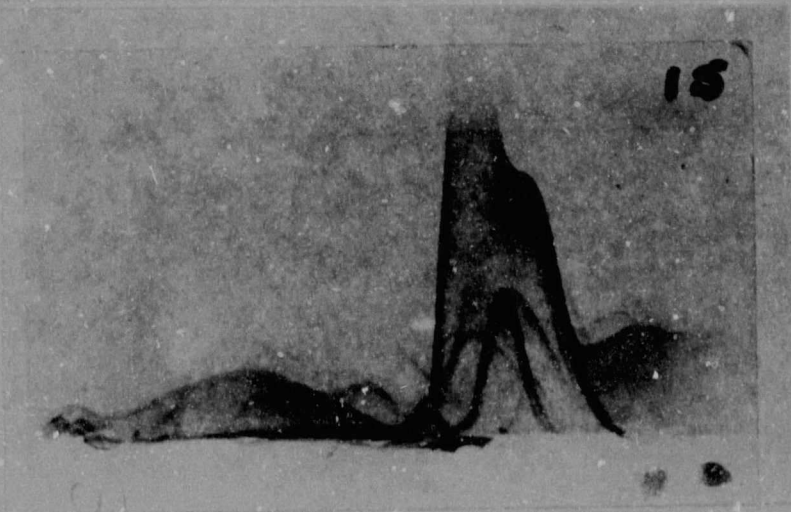
Crossed immunoelectrophoresis of rat interstitial fluid after exercise with antibodies against normal plasma.



Direction of separation of proteins with Sephadex gel.

PLATE 24

Crossed immunoelectrophoresis of rat plasma after exercise with antibodies against normal plasma.



Direction of separation of proteins with Sephadex gel.

PLATE 25

Crossed immunoelectrophoresis of rat interstitial fluid after exercise with antibodies against normal plasma.

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