

TABLE 30.—Serological results found in individuals who were previously immunized with epidemic typhus vaccine and who subsequently contracted murine typhus

Case	Day of disease	Typhus vaccine	Serological results						Date of onset	Where infected	Severity of infection
			Complement fixation		Rickettsial agglutination		Well-Felix ¹				
			Epi- demic	Mu- rine	Epi- demic	Mu- rine	OX-19	OX-2			
A-----	59	November 1943.	1,280	320	80	640	80	80	1 Jan. 1944	Waycross, Ga.	Moderately severe.
	90		1,280	320	160	1,280	0	0			
S-----	21	September 1942.	640	320	80	1,280	2,560	0	20 Nov. 1944	Fort Benning, Ga.	Do.
	42		320	320	80	640	640	0			
Si-----	58	27 May 1944.	160	160	80	320	640	0	19 July 1944	Louisiana.....	Severe.
	27		A/C	A/C	2,560	10,240	160	40			
P-----	159	September 1944.	320	160	320	2,560	160	40	17 Dec. 1944	Camp Gordon, Ga.	Do.
	22		1,280	640	320	640	160	0			
B-----	50	November 1944.	1,280	640	320	320	0	0	23 Nov. 1944	Camp Shanks, N. Y.	Moderately severe.
	18		160	40	5,120	10,240	640	0			
Be-----	21	August 1944.	160	160	5,120	10,240	320	0	25 Nov. 1944	Birmingham, Ala.	Do.
	26		160	160	5,120	10,240	0	0			
Ben-----	31	October 1944.	160	160	5,120	10,240	0	0	24 Oct. 1944	Tampa, Fla....	Mild.
	18		640	160	5,120	10,240	1,280	0			
K-----	70	September 1944.	320	160	160	1,280	160	0	18 Sept. 1944.	Camp Miles Standish, Mass.	Do.
	38		80	80	1,280	5,120	640	40			
Ba-----	30	December 1944.	160	80	5,120	10,240	80	0	15 Dec. 1944	Robins Field, Ga.	Do.
	15		80	10	1,280	5,120	640	320			
F-----	44	January 1944.	80	80	640	5,120	640	0	2 Jan. 1945	Austin, Tex....	Moderately severe.
	55		80	40	160	2,560	1,280	40			
T-----	45	July 1944....	1,280	640	1,280	5,120	1,280	160	14 Jan. 1945	San Antonio, Tex.	Mild.
	14		320	320	160	640	160	0			
Com-----	23	August 1943.	A/C	A/C	1,280	2,560	160	40	12 July 1944	Hunter Field, Ga.	Do.
	24		320	320	1,280	5,120	80	40			
	30	320	160	320	2,560	40	0				
	37	320	160	320	2,560	0	0				

¹ Cases S, P, B, Ba, and T showed a rise in OX-19 titer when serum specimens were examined during the febrile period and early convalescence while the other cases showed high titers. These examinations were made in the hospitals where the patients were treated. It should be observed that the specimens which were available for this study were frequently obtained late in convalescence.