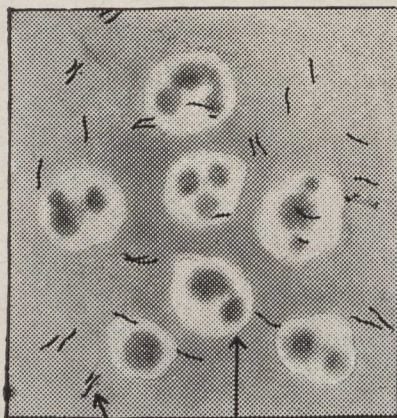


# VIROL

## AND PHAGOCYTOSIS

The results of an elaborate series of investigations recently conducted at the Frant Forest Sanatorium justify the conclusion that the routine administration of Bone-Marrow, in the form of VIROL, has a marked effect in the production of opsonins.



From an actual Micro-photograph illustrating the deficient average Opsonic power of the Blood of a number of patients suffering from the debilitating effects of acute infections, before treatment with Virol. The average number of Tubercle Bacilli ingested by each Polynuclear Leucocyte in fifteen minutes was 1.1, the Opsonic Index being 0.41.



From an actual Micro-photograph illustrating the increased Opsonic power of the Blood of a patient after twelve weeks' treatment with Virol. The average number of Tubercle Bacilli ingested by each Polynuclear Leucocyte in fifteen minutes was 4.5, the Opsonic Index being 1.5. Contrast this with the deficient average Opsonic power of the blood of children of similar age, not treated with Virol. (See opposite Micro-photograph.)

The results were as follows:

Duration of treatment with VIROL	Average number of Tubercle Bacilli absorbed in 15 minutes, by each Leucocyte	Opsonic Index against B. Tuberculosis
0 weeks	1.1	0.41
2 "	1.3	0.45
6 "	1.6	0.50
9 "	3.8	1.3
12 "	4.5	1.5
Standard	3.0	1.0

From the above table it will be seen that the administration of Bone-Marrow in the form of Virol is attended by a distinct and progressive increase in the phagocytic power of the Leucocytes when tested against the Tubercle Bacillus, due to corresponding increase of opsonins in the sera examined.

**VIROL, Limited, 148-166 Old St., London, Eng.**

VIROL LABORATORIES, 10 BEDFORD SQUARE, LONDON, ENG.

Canadian Agents, Bovril, Limited, 27 St. Peter Street, Montreal