

SUMMARY.

1. In the blood of the normal albino rat the blood plate count approximates 1,000,000 per c.c. and is fairly constant.
2. The total leucocyte count is variable and reacts violently to ulcerative processes.
3. The reaction of the cellular elements of the blood to the growth of transmissible sarcoma is slight and probably in no way characteristic.
4. Benzol injections produce a more rapid and proportionately greater reduction in the leucocytes of the blood than in the plates.

75 (1139)

Gravimetric determination of beta-oxybutyric acid.

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If beta-oxybutyric acid is oxidized with dichromate in the presence of sulfuric acid and mercuric sulfate, a precipitate of the acetone compound of mercury sulfate can be obtained in an amount proportional to the beta-oxybutyric present. Thus, if 175 c.c. of a beta-oxybutyric solution containing 9 per cent. of sulfuric acid, 2 per cent. of mercuric sulfate, and 0.25 gram of potassium dichromate are boiled under a reflex for an hour, 7.7 milligrams of mercury-acetone compound are precipitated for each milligram of beta-oxybutyric acid present. The beta-oxybutyric acid may vary from 1 to 9 mg. without affecting the ratio, if the concentrations of the other reagents are kept constant.

76 (1140)

Complement fixation in tuberculosis.

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