

8 GEORGE V, A. 1918

Sloped Beef Peptone Agar, Blood Heat (37.5):—

Little change after three days' growth.

The organism grew fairly well at blood heat.

24 hours, spread over about half the sloped surface.

48 hours, growth denser, spreading, flat, glistening, smooth, semi-opaque, whiteish. No further change.

Glucose Agar Slope:—

24 hours, at room temperature, smooth, vigorous, whitish, moist and spreading. Cloudiness near the growth.

5 days, colony more cloudy, considerable gas production and the column of agar is burst apart in the middle.

*Glucose Agar Stick:—*24 hours. Growth vigorous over surface and pronounced cloudiness from the surface to a depth of 10 mm.

48 hours. Increase in growth and a few gas bubbles appear on the line of puncture.

No further change occurs.

Beef Broth:—

24 hours, strong, cloudy.

3 days, much heavier. Sediment flocculent.

7 days, yellowish-green appearance in the upper layer otherwise no change.

Dunham's Solution:—

The organism grew well in Dunham's solution, and at the end of 5 days at room temperature was tested with Ehrlich test, allowed to stand 20 minutes and the results then recorded. This organism was negative to this test. No Indol.

Milk:—

24 hours, no change.

3 days, coagulated with extrusion of slight amount of whey.

5 days, curd has become firmer, and a cheesy smell developed.

7 days, slightly more whey extruded;

No other change, although observed for some twenty days.

Litmus Milk:—

24 hours, no change.

48 hours, no change in constituency, but colour is changed to avellaneous.¹

5 days. Colour uniform, slight digestion with separated whey, soft curd, yellowish ring around glass, smell disagreeable.

3 weeks.—Curd still undigested, whey yellowish, yellow ring, curd avellaneous, few gas bubbles on shaking.

Potato:—

24 hours. Moderate, dry, slightly raised, cream-coloured growth.

48 hours Increase of growth, dry, raised, slightly rugose, cream-yellow colour.

6 days. Abundantly raised, massive, rugose growth, cream colour at margins and pinkish on top. Odour unpleasant and slightly pungent, resembling that on milk.

3 weeks. No change.

A. 2.

Small bacillus with rounded ends, short, often in pairs, actively motile, stains well with methylene blue, and is gram negative.

¹ *Chromotaxia seu Nomenclator Colorum*. P. A. Saccardo.