

## **M0009369: Typhoid bacillus with and without addition of bacteriophage**

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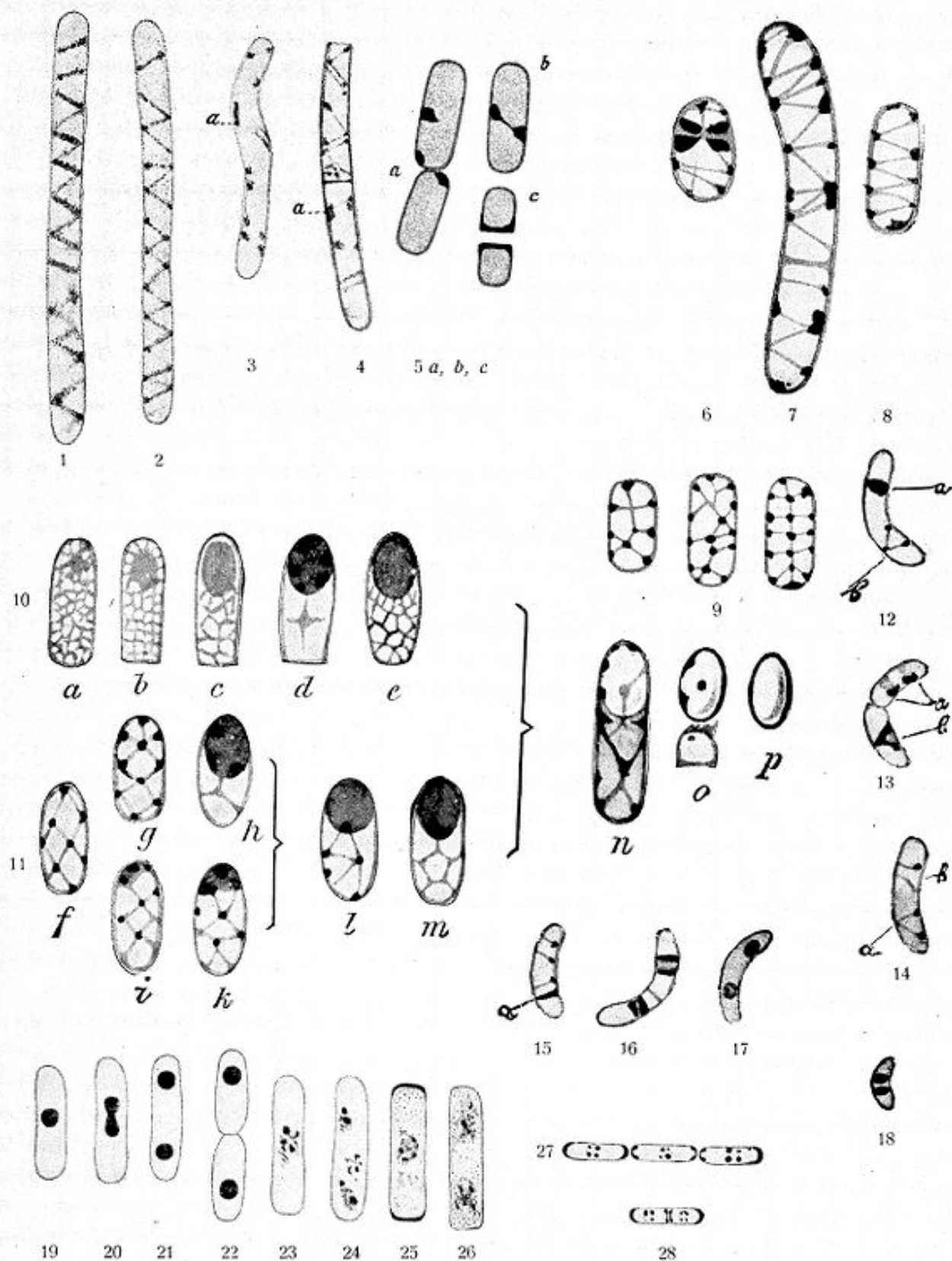
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Cell nuclei in bacteria.



(1) Spiral nucleus in resting stage: *B. max. buccalis*. — (2) The same with distinct differentiation of the chromatin granules. — (3) and (4) The same in division; at (a) chromatin granules dividing, (1-4 after Swellengrebel). — (5) a, b, c Fusion of the chromatin granules with the plasma in the youngest cells; formation of the septum from the granules attached to the wall (*B. nitri n. sp.*) — (6), (7), (8), (9) Differentiation of the chromatin in the older cells into reticulum and spirals (5-9 after Ambros). — (10) and (11) Participation of the chromatin in the process of spore formation *B. nitri, n. sp.* (after Růžička). — (12)-(16) *Bact. binucleatum*, with 2 nuclei in each cell (Nuclei dividing). — (17) and (18) The same; cells in resting stage (12-18 after Swellengrebel). — (19)-(26) diffuse and differentiated stages of development in the nucleus of potato bacillus (*Amato*). — (27) and (28) Well defined nuclei with nuclear membranes and chromatin granules in Bacteria and Periplaneta (after Mencl).

(Gotschlich, Hdb. d. pathog. Mikroorg., 3rd Edn. Vol. 1).