

### 34. On the phagocytosis in vitro of strains of *Yersinia pseudotuberculosis* after treatment with certain detergents and lipidosolvents

By: [Baykousheva, S.](#); Velyanov, D.

Source: Doklady Bolgarskoi Akademii Nauk, Volume: 29, Issue: 1, Pages: 113-16, Journal, 1976, CODEN: DBANAD, ISSN: 0366-8681

Company/Organization: Inst. Microbiol., Sofia, Bulg.

Accession Number: 1976:174484, CAN 84:174484, CAPLUS

Language: English

Reproduced with permission from the Chemical Abstracts Service

#### Abstract

---

The addn. of Na lauryl sulfate [151-21-3] or petroleum ether to *Y. pseudotuberculosis* grown in a medium contg. 10% glycerol at 28° (conditions under which V and W antigens are not synthesized) significantly increased the phagocytosis of the bacterial cells by rabbit blood. The addn. of Na periodate or trypsin [9002-07-7] produced variable degrees of phagocytosis dependent on the virulence of the strains tested. The role of lipid synthesis in the restoration of phagocytosis at 28° is discussed.

#### Indexing

---

Biochemical Interactions (Section 3-2)

#### Concepts

---

##### [Ligroine](#)

*Yersinia pseudotuberculosis* phagocytosis after treatment with  
Biological study

##### [Phagocytosis](#)

of *Yersinia pseudotuberculosis*, detergents and lipid solvents effect on

##### [Lipids](#)

phagocytosis of *Yersinia pseudotuberculosis* in relation to  
Biological study

##### [Pasteurella pseudotuberculosis](#)

phagocytosis of, detergents and lipid solvents effect on

#### Substances

---

[151-21-3](#), biological studies

[7790-28-5](#)

[9002-07-7](#)

*Yersinia pseudotuberculosis* phagocytosis after treatment with

Biological study

#### Supplementary Terms

---

detergent *Yersinia* phagocytosis; lauryl sulfate *Yersinia* phagocytosis; petroleum ether *Yersinia* phagocytosis; periodate *Yersinia* phagocytosis; trypsin *Yersinia* phagocytosis

#### Tags

---

0 Tags

#### Comments

---

0 Comments