

Fig. 5 Yellow colony of isolate A on PSA medium.



Fig. 6 Production of antiserum for *X. Campestris* pv. *citri* by intravenous injection into rabbit.



Fig. 7 Withdrawal of blood from rabbit's heart to obtain the antiserum.

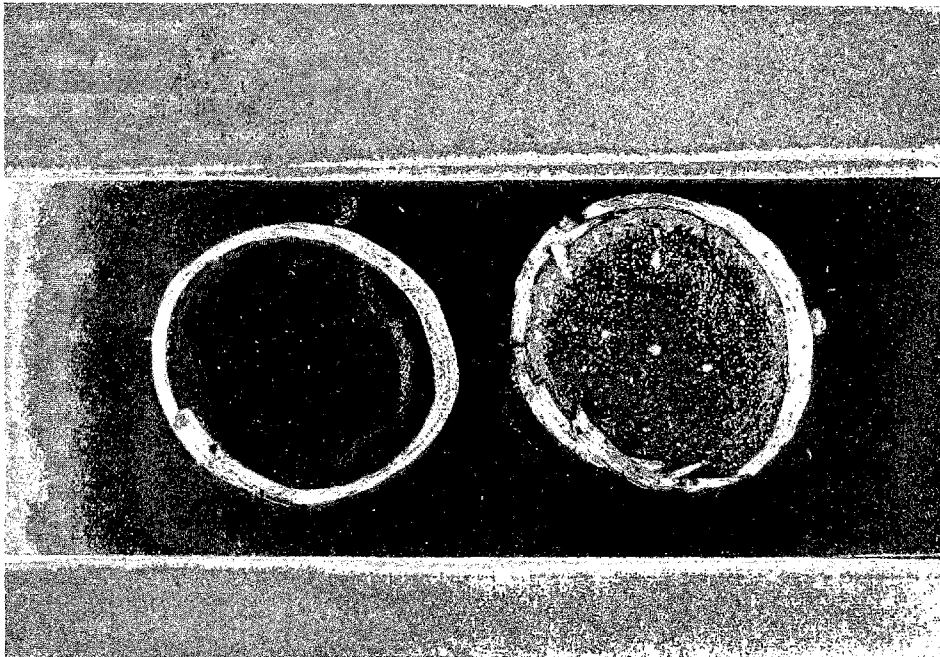


Fig. 8 Precipitation by slide-agglutination test.

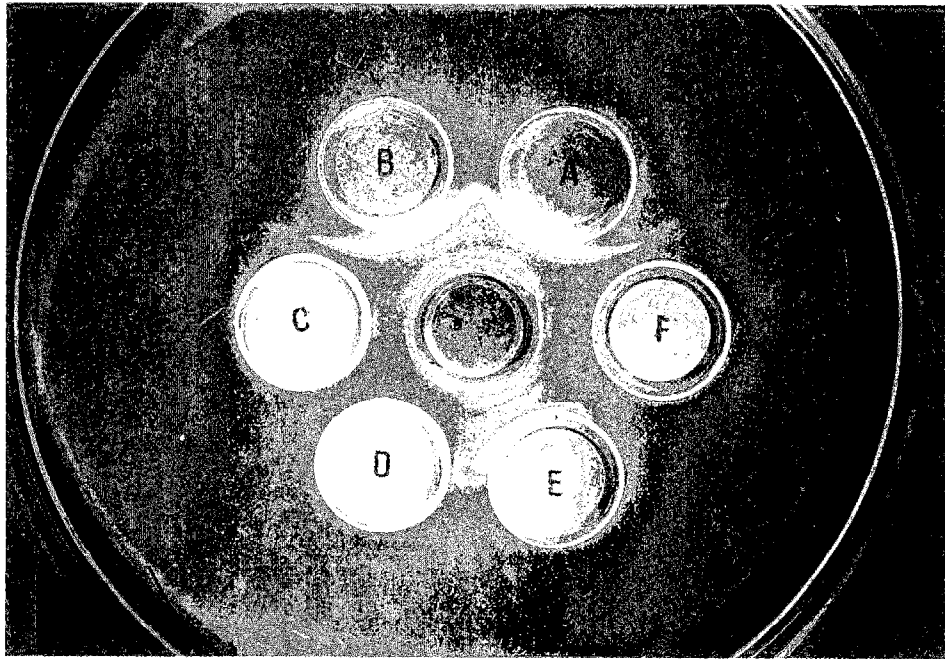


Fig. 9 Serological precipitation lines on agar-gel-diffusion for identification of *X. campestris* pv. *citri*.

- A: A bacterium isolate from lemon
- B: B bacterium isolate from lemon
- C: bacterium isolate from lemon
- D: bacterium isolate from lemon
- E: C bacterium isolate from lemon
- F: saline
- as: antiserum of *X. campestris* pv. *citri*, isolate A



Fig. 10 Pathogenicity test: *Phaseolus vulgaris* cv. "Kentucky Wonder" unsusceptible to isolate A.



Fig. 11 Potato soft rot test: No rotting. Only damage.

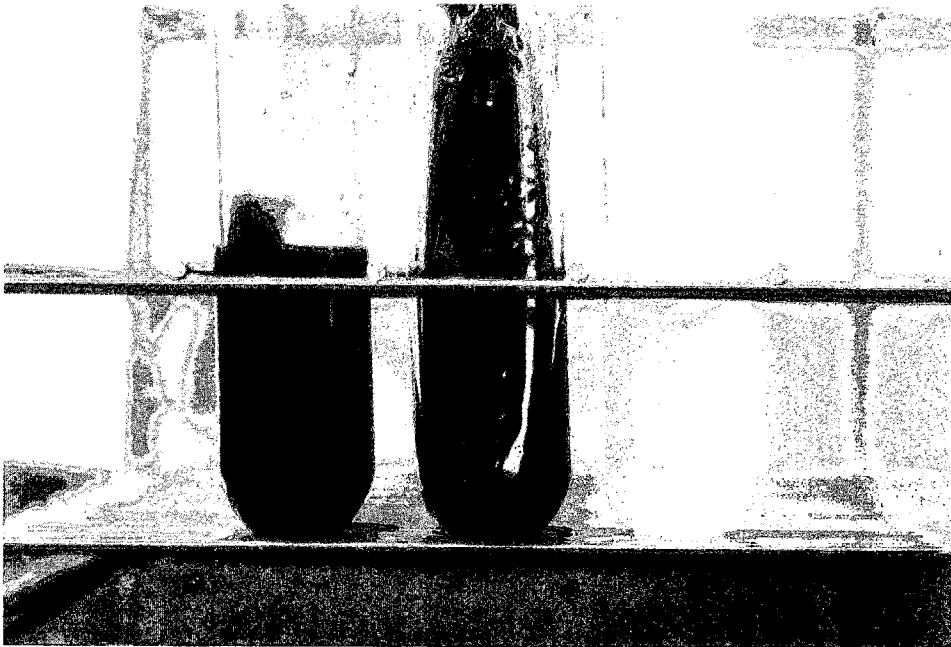


Fig. 12 Formation of a blackening pigment during hydrolysis of aesculin by isolate A.

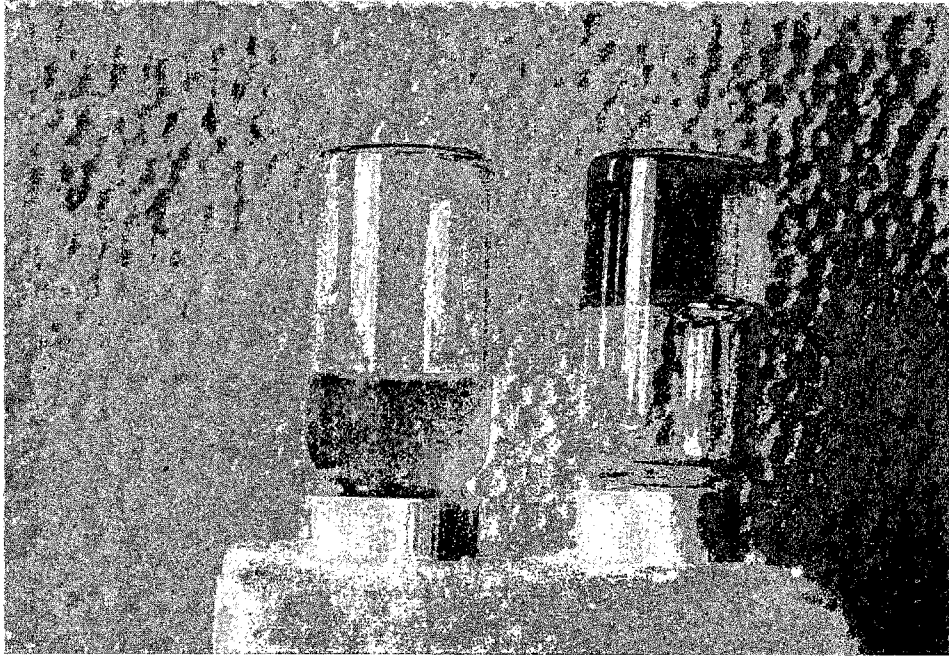


Fig. 13 Gelatin liquefaction by isolate A.

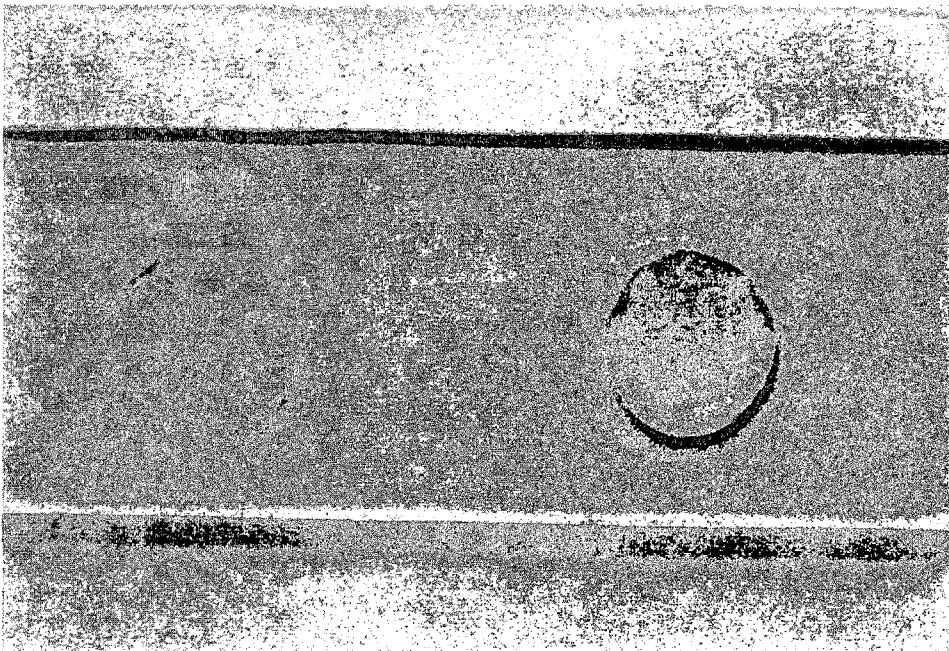


Fig. 14 Partial hydrolysis of starch by isolate A.

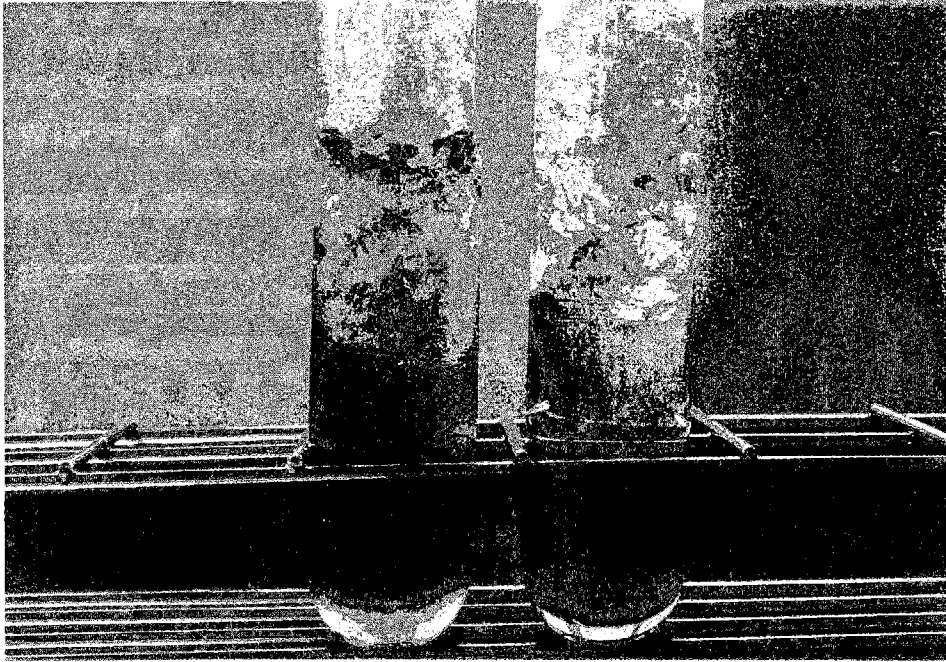


Fig. 15 Yellow coloration of Oxidative fermentation of glucose test.

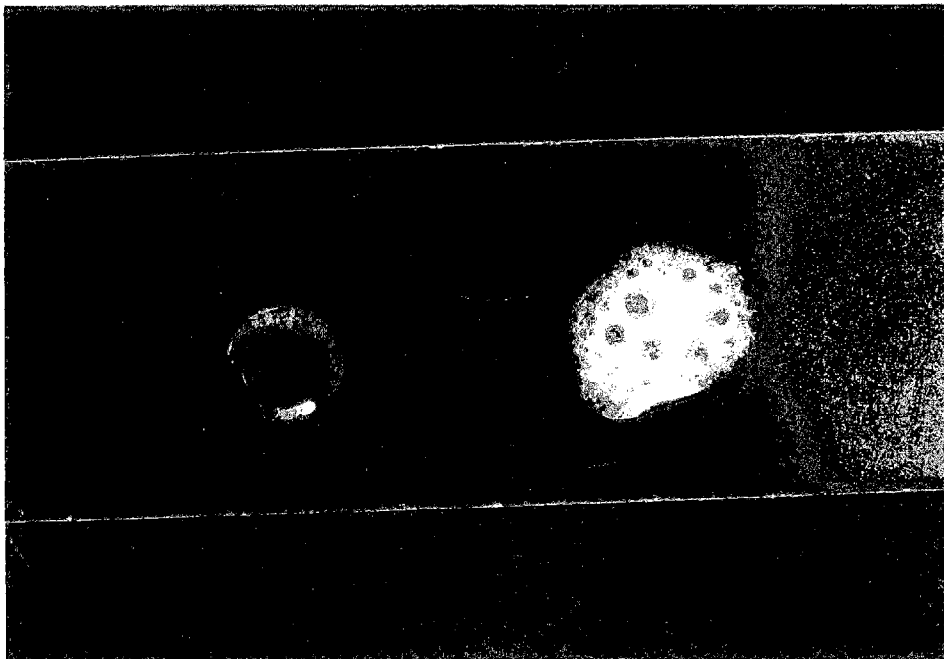
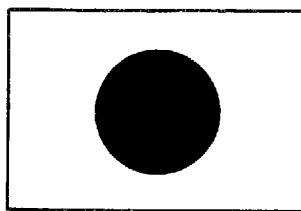


Fig. 16 Production of gas bubbles in catalase test.



NATIONAL PLANT QUARANTINE SERVICES PROJECT
JAPAN INTERNATIONAL COOPERATION AGENCY
KATUNAYAKE, SRI LANKA

JICA

PRINTED IN MARCH, 1998

PRINTED BY AITKEN SPENCE PRINTING (PVT) LTD.

