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Vitreoscilla hemoglobin promotes Salecan production by *Agrobacterium* sp. ZX09

Key words:

Salecan, *Vitreoscilla* Hemoglobin, *Agrobacterium* sp. ZX09, invertase, respiration rate

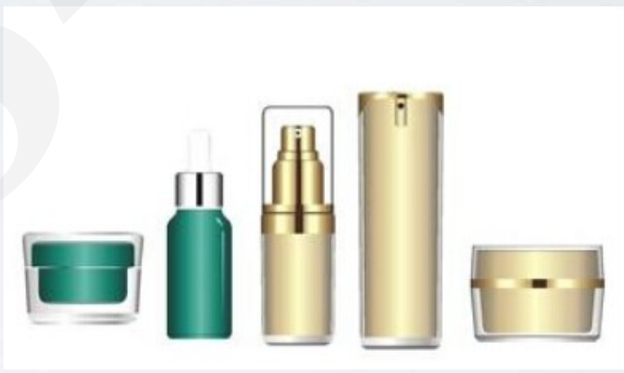
Application of salecan

Industry：







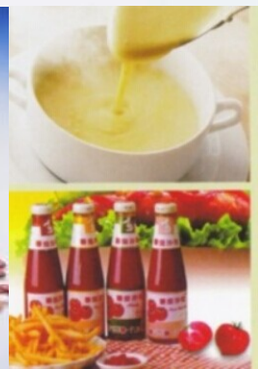



Agriculture：





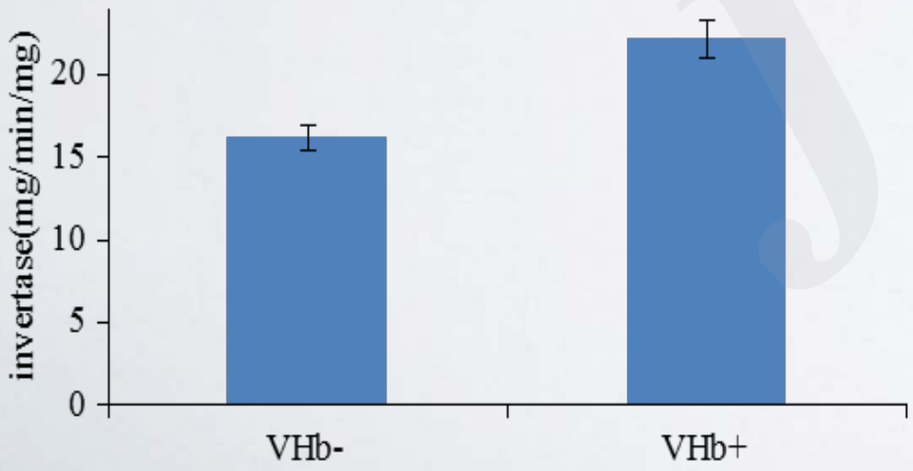
Medicine and food：

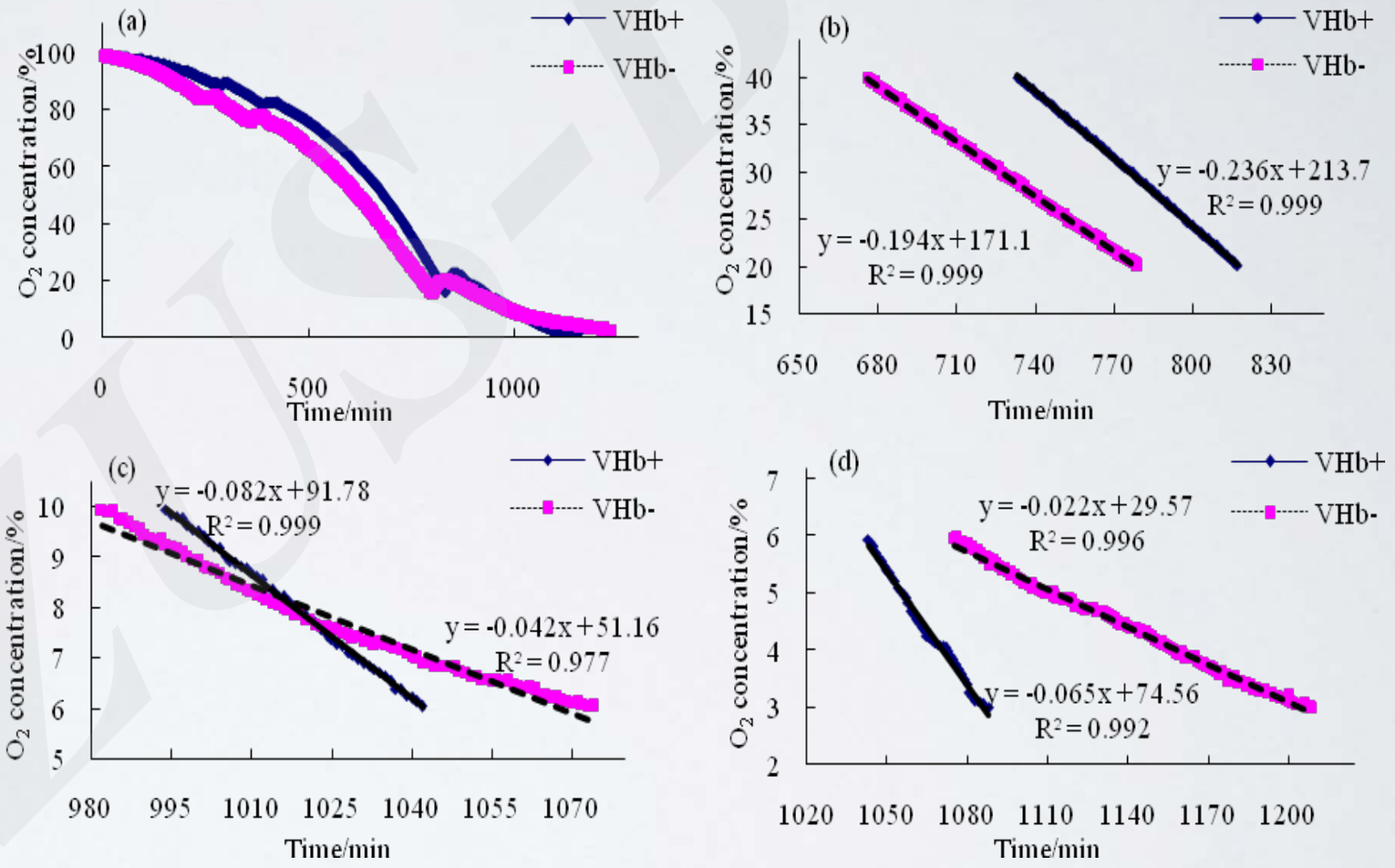




Research Summary

This study mainly focused on increasing salecan yield in the strain *Agrobacterium* sp. ZX09 by *Vitreoscilla* hemoglobin



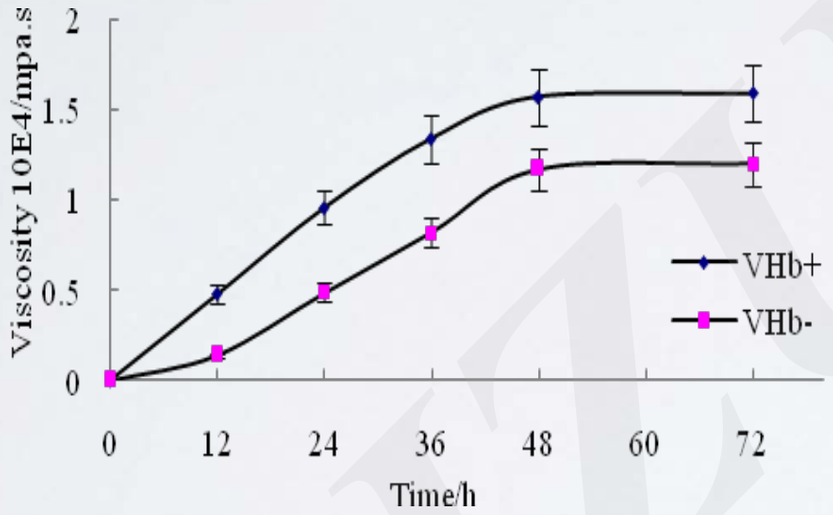


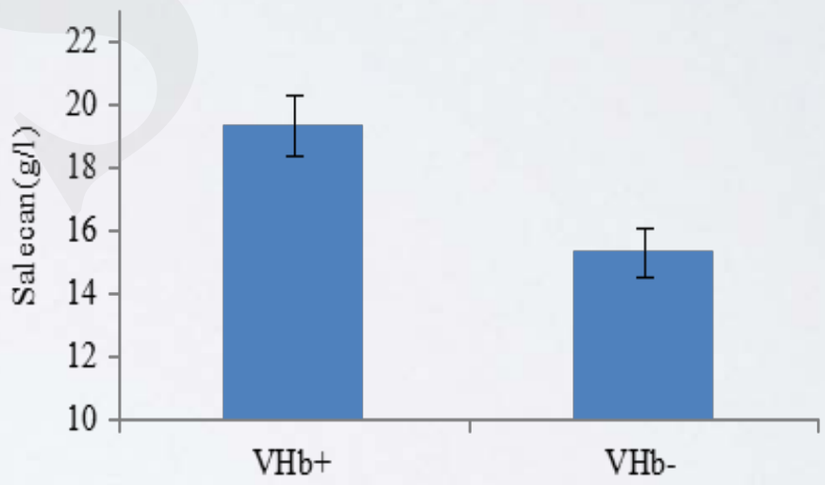


- **VHb overcomed the O_2 limiting during salecan fermentation: Increasing respiration rate**
- **VHb increased cellular invertase activity**

Research Results

- **VHb increased viscosity yield**
- **VHb increased salecan production**





The benefit for the approach is its ease of handling, and usefulness for field fermentation