

The function of high temperature tolerance in cyanobacteria, *Nostoc* sp. HK-01

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The function of dried colony of a cyanobacteria, *Nostoc* sp.HK-01, with high temperature tolerance was investigated.

Cyanobacteria, phototropic bacteria, have several high contribution on the closed bio-eco-engineering. The cells in the colony was viable under the environment of 100 °C during 10 hours. It was suggested that the function of high temperature tolerance was related to sugar polymer containing many components.

Keywords: cyanobacteria, high temperature tolerance, *Nostoc* sp.