

Conclusions Illumination time can promote the growth of *Chlorella* ZY-1 and carbon sequestration. When illumination time is extended, *Chlorella* ZY-1 intracellular malondialdehyde content, nitrate reductase activity and antioxidant enzyme activity do not appear to fluctuate, and intracellular photoinhibition does not

occur. The best light cycle for *Chlorella* ZY-1 is 20 hours light/4 hours dark.

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Correction notice A correction has been made to this supplement since it was first published. The author list for abstract '15 Antitumour activity of glucosamine hydrochloride in vitro' has been amended to read: Jiang T, Wang L, Zhao X.