

Table S1. Mean content of free sugars in the tissues of gerbera multiplied *in vitro* under light of different qualities (µg/mg).

Light quality	Monosaccharides and sugar alcohol derivatives	Oligosaccharides	Σ
B ¹	22.26 ± 2.04 a ²	7.56 ± 1.63 a	29.82 ± 2.14 a
RB	28.04 ± 4.19 ab	8.41 ± 2.01 ab	36.45 ± 5.63 ab
R	29.40 ± 6.19 ab	12.29 ± 0.74 b	41.68 ± 6.87 ab
Fl	38.54 ± 11.72 b	10.83 ± 3.36 ab	49.38 ± 14.74 b

¹ B—100% blue LED (430 nm); RB—a mixture of red (70%) and blue (30%) LED; R—100% red LED (670 nm); Fl—control, fluorescence Philips TL-D 36W/54 lamps. ² Means ± standard deviations within a column followed by the same letter are not significantly different according to Duncan's multiple range test at $p \leq 0.05$.