

**Table 1.** Structural parameters of mature spinach leaves. Cellular volumes were determined from light micrographs and by the infiltration technique (means  $\pm$  SD)

Parameter	
Fresh weight	890 $\pm$ 119 mg·(mg Chl) <sup>-1</sup>
Dry weight	80 $\pm$ 10 mg·(mg Chl) <sup>-1</sup>
Gas space	381 $\pm$ 67 $\mu$ L·(mg Chl) <sup>-1</sup>
Total leaf volume	1177 $\pm$ 89 $\mu$ L·(mg Chl) <sup>-1</sup>
Aqueous space	810 $\pm$ 103 $\mu$ L·(mg Chl) <sup>-1</sup>
Epidermis:	36 $\pm$ 3 $\mu$ L·(mg Chl) <sup>-1</sup>
Mesophyll:	688 $\pm$ 11 $\mu$ L·(mg Chl) <sup>-1</sup>
Apoplast:	60 $\pm$ 22 $\mu$ L·(mg Chl) <sup>-1</sup>
Veins:	12 $\pm$ 5 $\mu$ L·(mg Chl) <sup>-1</sup>
Sieve tubes (including cell walls and companion cells):	5.4 $\pm$ 1.6 $\mu$ L·(mg Chl) <sup>-1</sup>