

Table 4 Maximum catalytic activity of selected enzymes of the reductive PP in Spinach SEP

Enzyme	Catalytic activity ($\mu\text{mol h}^{-1} \text{mg}^{-1} \text{Chl}$)	
	This study	Data of Latzko and Gibbs (1969) for Spinach leaf extract
Phosphoglycerate kinase ^a	1990	2423
Glyceraldehyde 3-phosphate dehydrogenase (NADP ⁺) ^b	207	269
Transketolase ^c	199 ⁱ ; 103 ^j	194
Fructose-bisphosphate aldolase ^d	113	102
Fructose-bisphosphatase ^e	53	46
Sedoheptulose-bisphosphatase ^f	35 ^k	3.8
Phosphotransferase ^g	2.7 ^l ; 13.6 ^m	–
Transaldolase ^h	2.4	7.7
Phosphotransferase ^g in Pea leaf extract	25.3 ⁿ	
Phosphotransferase ^g in <i>Chlorella fusca</i> extract	20.9 ^p	
Phosphotransferase ^g in Spinach leaf extract	ND ⁿ ; 19.3 ^m	

Enzymes were assayed using the methods of: ^{a, b} Latzko and Gibbs (1969); ^c Brin (1974); ^d Bergmeyer and Bernt (1974); ^e Latzko and Gibbs (1974); ^f Woodrow and Walker (1982); ^g Arora et al. (1985); ^h Brand (1974).

ⁱ Assayed using Ery 4-P and Xlu 5-P as substrates

^j Assayed using Rib 5-P and Xlu 5-P as substrate

^k Assayed using the P_i liberation method

^l Assayed using [8-¹⁴C]-D-g-D-i-oct 8-P and Seh 1,7-P₂ as substrates

^m Assayed using [8-¹⁴C]-D-g-D-a-oct 8-P and Seh 1,7-P₂ as substrates

ⁿ Assayed using D-g-D-i-oct 1,8-P₂ and Seh 7-P as substrates

ND: not detected