

Table V. *Influence of Low CO<sub>2</sub> on Activation of RuBP Carboxylase in Wheat Protoplasts*

Protoplasts (25  $\mu\text{g}$  Chl/ml) were illuminated (see Fig. 5 for details) for 8 min, attaining O<sub>2</sub> evolution of 120  $\mu\text{mol}/\text{mg}$  Chl·h before lowering the CO<sub>2</sub> concentration by adding 10 mM Tris (final pH 7.9). At intervals, aliquots were removed and injected into assay mix for RuBP carboxylase containing 0.1% TX100, and the reaction was stopped 30 s later (14).

Pretreatment of Protoplasts		RuBP Carboxylase
Time in high CO <sub>2</sub>	Time in low CO <sub>2</sub>	
	<i>min</i>	$\mu\text{mol}/\text{mg}$ Chl·h
8 (Dark)		99
8 (Light)		192
8 (Light)	0.5 (Light)	171
8 (Light)	5 (Light)	143
8 (Light)	12 (Light)	132
8 (Light)	12 (Dark)	129