TABLE I

Effects of D-glucose and D-mannose on rate of utilization of glucose-6-P by intact and disrupted microsomes

Reaction mixtures (pH 6.5) contained the following in a final volume of 1 ml: 50 μmol of Tris-cacodylate buffer, 10 mg of bovine plasma albumin (defatted), 20 μmol of [^{14}C]glucose-6-P (10^5 cpm/μmol), glucose or mannose as indicated, and 0.2 mg of microsomal protein before or after supplementation to 0.4% sodium taurocholate. [^{14}C]Glucose was separated from the reaction mixtures and analyzed as described previously (10).

Hexose added	Glucose-6-P utilization		Latency
	Intact microsomes	Disrupted microsomes	
	μmol [^{14}C]glucose formed/min/mg microsomal protein[a]		%
None	0.17	0.23	26
0.2 M glucose	0.22	0.34	35
0.2 M mannose	0.13	0.40	67

[a] Activities are the mean values from duplicate assays for two experiments.