

Erratum

Enzymes in pancreatic islets that use NADP(H) as a cofactor including evidence for a plasma membrane aldehyde reductase

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Table 10 of the above article is reprinted due to a technical error in the original print (Mol Cell Biochem **225**: 158, 2001). The correct table now appears in Mol Cell Biochem **232**: 169, 2002.

Table 10. Summary of comparison of pancreatic islet plasma membrane fraction vs. cytosol in respect of aldose or aldehyde reductase activities

Property of subcellular fraction	Subcellular fraction	
	Cytosol	Plasma membrane
Specific reductase enzyme activity (nmol NADPH oxidized/min/mg protein)		
Methylglyoxal (mM)		
0.1	8 ± 1 (5)	0
0.2	12 ± 1 (4)	0
7	60 ± 3 (5)	10 ± 2 (4)
Total reductase activity in fraction (nmol NADPH oxidized/min/fraction from about 1,200 islets)	29 ± 4 (3)	0.9 ± 0.2 (3)
Enzyme activity inhibited by Zopelrestat, CP-10668 or diphenylhydantoin	Yes	No
Aldose reductase immunoreactivity	Strong	Strong

Specific enzyme activity was estimated in the presence of various concentrations of methylglyoxal and total reductase activity was estimated in the presence of 7 mM methylglyoxal. Results are the mean ± S.E. with the number of replicate experiments in parentheses.

