

Additional reactions used in the sampling study. (1/10/2005)

Abreviation	Official Name	Reaction	Reference
EX_acac(e)	Acetoacetate exchange	acac <==>	
EX_hb(e)	(R)-3-Hydroxybutanoate exchange	hb <==>	
ACACt	Acetoacetate transport, proton symport (MCT)	acac[e] + h[e] <==> acac[c] +h[c]	Halestrap et al., 1999
ACACtm	Acetoacetate transport, mitochondrial, proton symport (MCT)	acac[c] + h[c] <==> acac[m] +h[m]	Halestrap et al., 1999
HBt	(R)-3-Hydroxybutanoate transport, proton symport (MCT)	hb[e] + h[e] <==> hb[c] +h[c]	Halestrap et al., 1999
HBtm	(R)-3-Hydroxybutanoate transport, mitochondrial, proton symport (MCT)	hb[c] + h[c] <==> hb[m] +h[m]	Halestrap et al., 1999
BDHm	(R)-3-Hydroxybutanoate:NAD+ oxidoreductase, EC: 1.1.1.30	[m]: hb + nad <==> acac + nadh + h	Marks et al., 1992, Green et al., 1996

Abreviation	Official Name	Location
acac(e)	Acetoacetate	extracellular
acac(c)	Acetoacetate	cellular
hb (e)	(R)-3-Hydroxybutanoate	extracellular
hb (c)	(R)-3-Hydroxybutanoate	cellular
hb (m)	(R)-3-Hydroxybutanoate	mitochondrial