

**Table compiled by Tilak R. Dhiman, American Grassfed Association meeting -2005**

Table 1. Physiological functions of conjugated linoleic acid (CLA)

Function/Model used	Reference
<b>Carcinogenesis</b>	
▼ Chemically induced mammary carcinogenesis in rats	1, 2, 3, 4
▼ Growth of transplantable breast cancer tumor cells in nude mice	5, 6
▼ Growth of transplantable prostate cancer tumor cells in nude mice	7
▼ Stages of chemically induced skin tumorigenesis in mice	8, 9
▼ Chemically induced colon carcinogenesis in rats	10
▼ Chemically induced forestomach carcinogenesis	11
▶ Carcinogenesis in Min mice	12
<b>Adipogenesis</b>	
▼ Chicks, mice and rats	13, 14, 15, 16
▼ Human subjects	17, 18
▶ Human (woman 20-41 years age)	19
▶ Weaned piglets fed high fat diet	20
▶ Fatty acid and glycerol metabolism in healthy weight-stable women Zambell et al. 2001)	21
<b>Atherosclerosis</b>	
▼ Aortic plaque formation in hamster	22
▼ Aortic atherosclerosis in rabbit	23, 24, 25
<b>Diabetic effects</b>	
▼ Onset of diabetes in Zucker diabetic fatty male rats	26
▲ Glucose tolerance and transport	27
▼ Insulin sensitivity in mice	28
<b>Immune functions</b>	
▲ Damage protection and lymphocyte proliferation in nursery pigs	29, 30
▶ Young healthy women	31
▼ Eicosanoid and IJ.istamine production	32, 33
▲ Onset of lupus in mouse model	34
▲ Mitochondria protection from free radicals in rat liver	35
<b>Bone formation</b>	
▼ Eicosanoid production in rats	36
▲ Collagen synthesis in rats	37

▲ = increased; ▼ = decreased; ▶ = no effect.

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