















Other Lactate Threshold Terminology

Anaerobic threshold - first used in 1964 and based on increased blood lactate being associated with hypoxia. Now known to be an oversimplification, and should not be used.

Onset of blood lactate accumulation (OBLA) - the maximal steady state blood lactate concentration, which can vary between 3 to 7 mmol/L.

Research has shown that there is considerable similarity in each of the exercise intensities obtained from the different lactate threshold methodologies.

Remember that the limitation to exercise above the LT is not the increased blood and muscle lactate but the associated increase in acidosis and other markers of muscle fatigue.













Lactate Transporters Lactate leaves most tissues by an ATP-dependent facilitated transport system Both a lactate and proton are transported - lactate-proton symport The transporter is bi-directional The transporter is stereo-specific for L-lactate The transport process is saturable The transport process capacity is modified with training and inactivity The transport process capacity is modified with training and inactivity Some transporters function with other molecules (eg. pyruvate) *Bonen. Med Sci Sports Exerc. 2000 32(4)*















