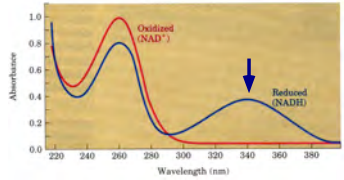
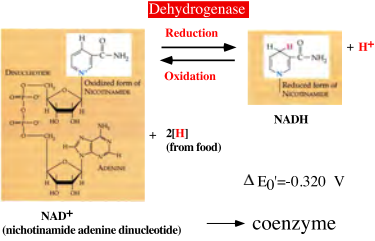


The sites of electron transfer that form NADH and FAD<sub>2</sub> in glycolysis and the citric acid cycle.

NAD<sup>+</sup> as an electron shuttle



$\Delta G^0 = -nF\Delta E_0^0$   
 $= -(2 \text{ mol}) (23.06 \text{ kcal/mol V}) (-0.320 \text{ V})$   
 $= 14.8 \text{ kcal/mol}$

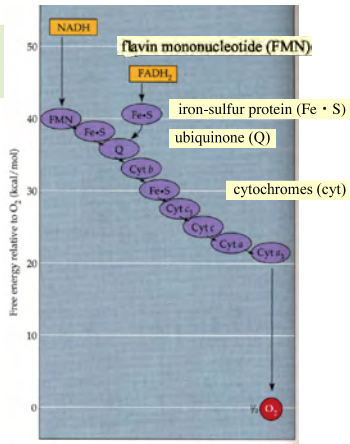
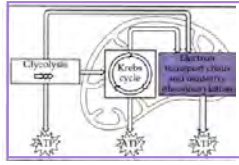
F: Faraday constant  
 n: number of electrons



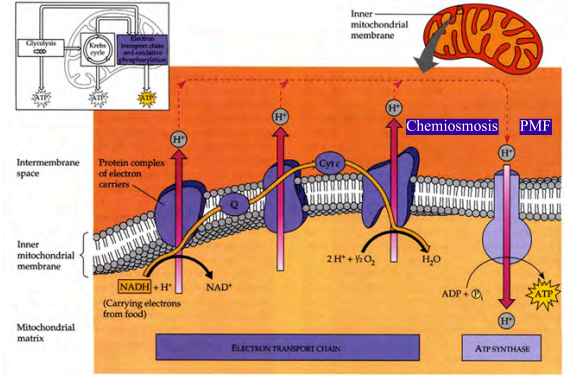
Source Naturals社 クチコミ(1件)  
 ▶ **NADH 5mg (エネルギーとメンタルサポートに)** 30粒 (タブレット)  
 1粒で5mgのNADH、冴え渡る集中力と湧き出すエネルギーを！  
 サプリックス特価: ¥3,780 買い物かごに入れる

NADHとは、還元型ニコチンアミドアデニンジヌクレオチドの事です。お昼後に、ウトウトしてしまう方や毎日帰ったらバタンキューという方など集中力やスタミナを常に高いレベルに保ちたい方におすすめです。

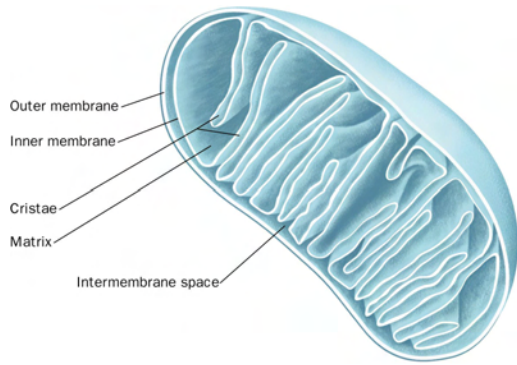
electron transport chain



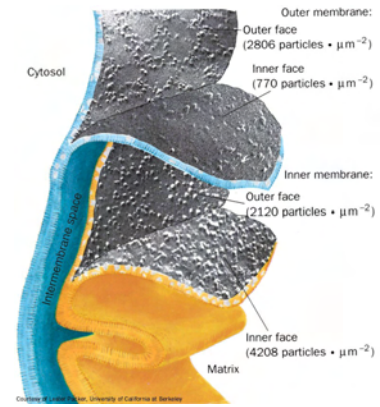
Chemiosmosis: How the mitochondrial membrane couples electron transport to oxidative phosphorylation



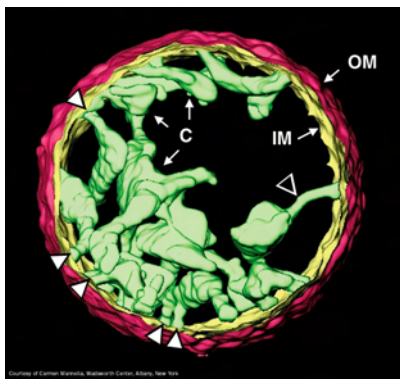
Mitochondria. (a) An electron micrograph of an animal mitochondrion.



Mitochondria. (b) Cutaway diagram of a mitochondrion.

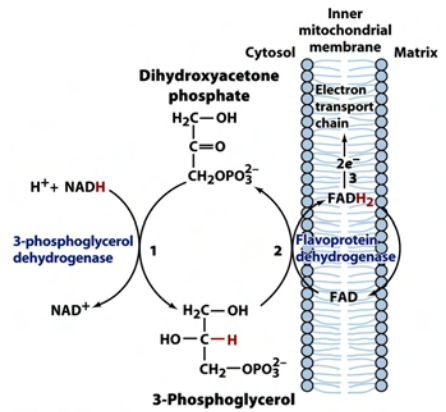


Freeze-fracture and freeze-etch electron micrographs of the inner and outer mitochondrial membranes.

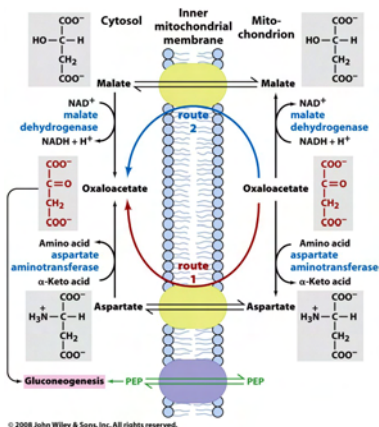


Electron microscopy-based three-dimensional image reconstruction of a rat liver mitochondrion.

The glycerophosphate shuttle.

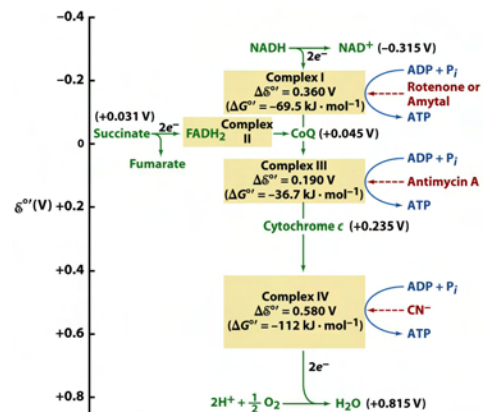


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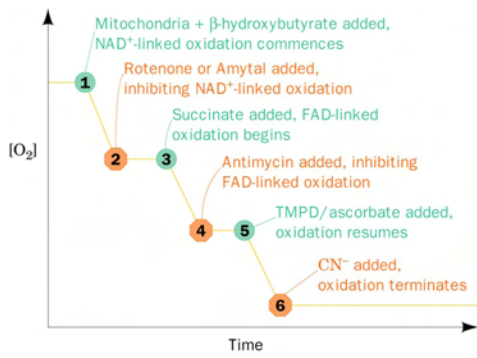
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The mitochondrial electron-transport chain.

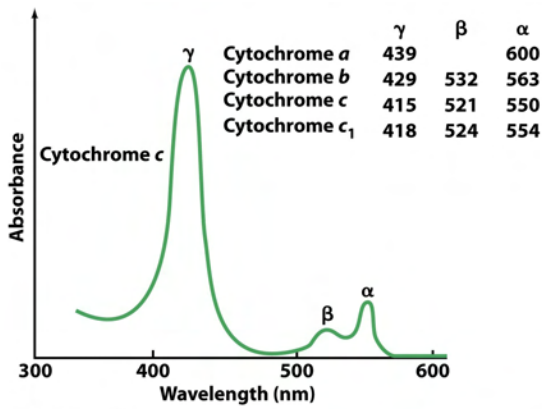
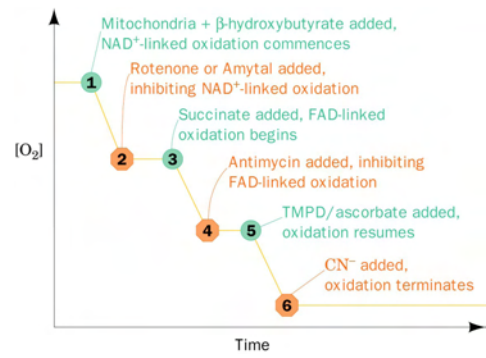


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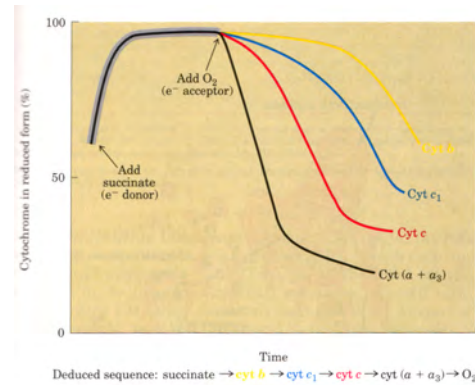
Effect of inhibitors on electron transport.



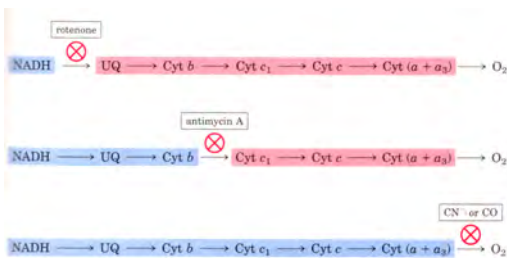
Effect of inhibitors on electron transport.



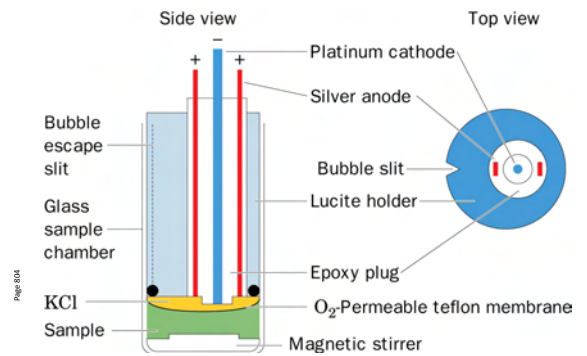
Cytochromeの電子の流れの順序



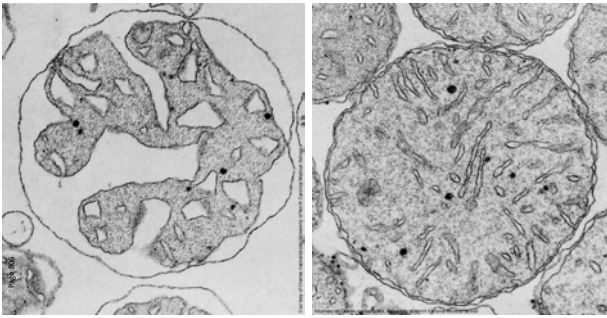
阻害剤と電子の流れ



The oxygen electrode.



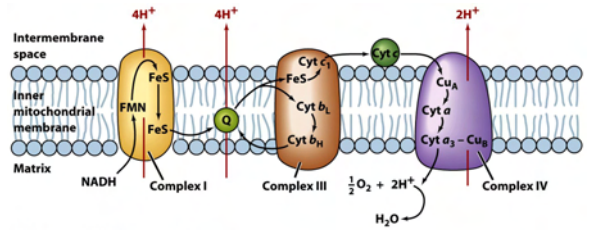
Electron micrographs of mouse liver mitochondria.



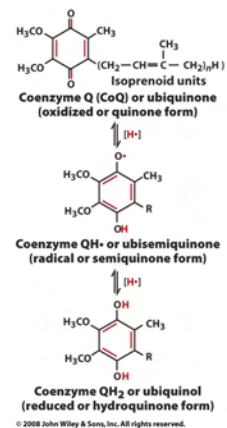
(a) In the actively respiring state.

(b) In the resting state.

The mitochondrial electron-transport chain.



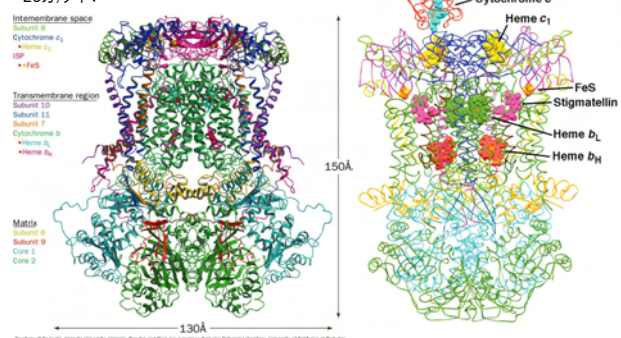
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Figure 18-10b

11サブユニット蛋白質からなる膜蛋白質複合体 (約25万)ダイマー X-ray structures of cytochrome bc<sub>1</sub>.



The dimeric bovine complex is viewed perpendicular to its 2-fold axis and parallel to the membrane with the matrix below.

The yeast enzyme in complex with cytochrome c and the inhibitor stigmatellin viewed with a ~90° rotation about its 2-fold axis.

X-Ray structure of fully oxidized bovine heart cytochrome c oxidase.

13サブユニット蛋白質からなる膜蛋白質複合体 (約20万)ダイマー

