

## Endogenous endotoxemia in patients with liver cirrhosis

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### Abstrak

Since the limulus test, a method for the evaluation of endotoxin levels using extract from horseshoe crabs (*Limulus*, spp), was developed in the year 1969 by Levin and Bang, there have been reports on endotoxin from portal blood without negative gram bacterial infection, a condition known as endogenous endotoxemia.