

## BLOOD MANAGER

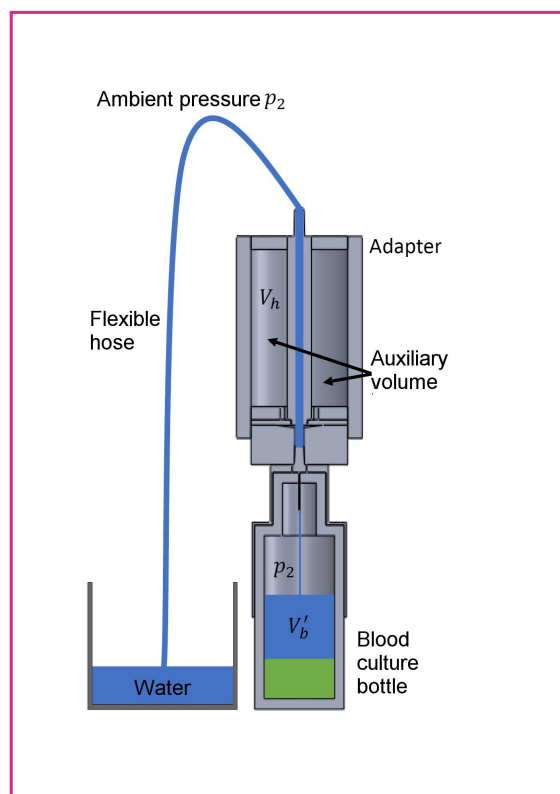
Blood Manager - Variable filling of hermetically sealed and pre-evacuated vials/containers via a pressure-adjusting adapter

### BACKGROUND

Efficient use of blood and prevention of anemia are cornerstones of modern medicine. Patients with sepsis undergo repeated blood draws for blood culture testing. Blood is withdrawn into pre-evacuated and hermetically sealed vials. The vacuum in the vial is specified by the manufacturer and cannot be altered. Only 5-10 ml blood are necessary for blood culture testing. However, up to 30 ml blood are withdrawn without timely disconnection of the vial. Some patients require repeated determination of both aerobic and anaerobic samples (up to 3 pairs daily) leading to excess and preventable blood loss of 120 ml per day.

### TECHNOLOGY

Our invention allows for specific withdrawal of a predefined sample volume (e.g. blood for blood culture testing) from a hermetically sealed and pre-evacuated vial/container. The adapter adjusts the pressure through a pre-set ancillary volume, and is suited for both aerobic and anaerobic samples



### ADVANTAGES

- Automatic stoppage of blood draw
- Defined sample volume
- Reduced blood loss

**Tech ID:** M044-2019

**APPLICATIONS:**  
Blood cultures

**DEVELOPMENT-  
STATUS:** Prototype

**IPR:** AOF 586/2020  
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**AVAILABLE FOR:**  
Cooperation/licencing

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