

## MEGA™ 8Fr. 50cc IAB CATHETER IMPROVED UNLOADING AND AUGMENTATION\*



**The MEGA 8Fr. 50cc IAB offers improved unloading and augmentation** when compared to the 40cc IAB. The effects of Intra-Aortic Balloon Counterpulsation are the result of blood volume displacement in the aorta during the cardiac cycle.

**Bench testing:** The degree of augmentation and unloading in the clinical environment is a function of the individual patient's hemodynamic status.

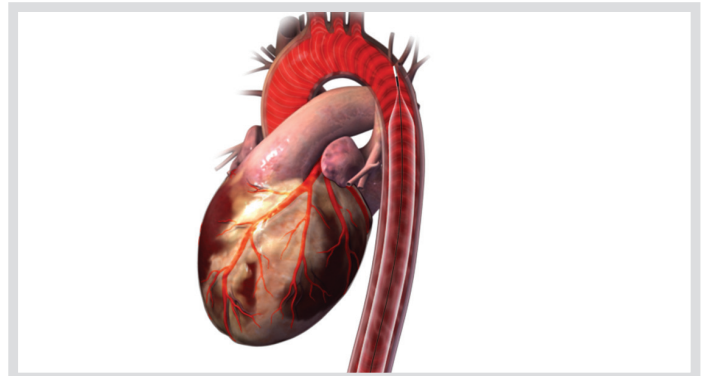
To determine the impact of a 50cc IAB on augmentation and unloading, testing was done using an artificial circulatory system that simulates aortic pressure and flow. The simulation was done under controlled temperature and heart rate conditions.\*

**Testing was performed at the following conditions:**

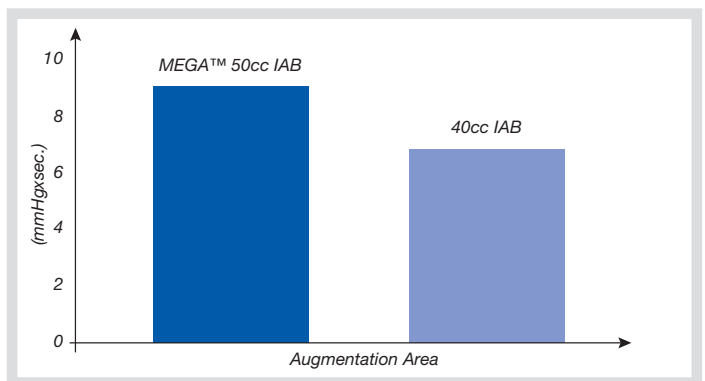
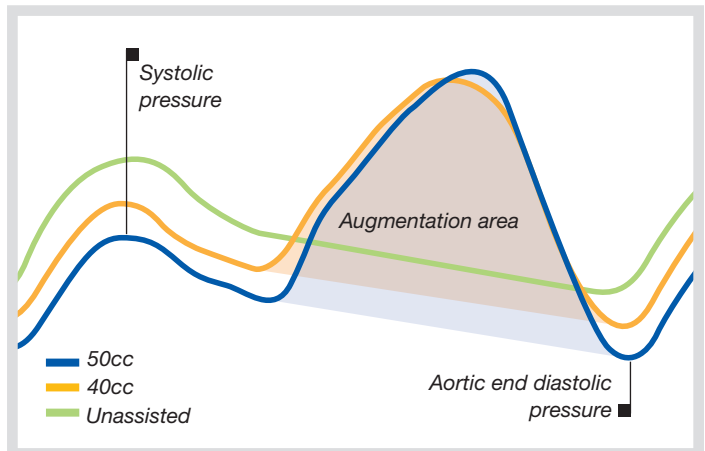
- Heart Rate: 100 BPM
- MAP: 83 mmHg
- Body Temperature: 37°C

**MEGA 8Fr. 50cc when compared to the 40cc IAB catheter showed:**

- On average 58% more systolic unloading
- On average 15% increased augmentation area
- Reduction in aortic end diastolic pressure



MEGA 8Fr. 50cc



\*Bench testing completed by MAQUET. Data on file. Bench test results are not necessarily predictive of clinical results.