

Figure 2.

Passive electrodes, supercapacitor-type, distributed on a membrane surrounding the pericardio. Such a membrane was developed, fabricated and actually used on a rabbit's heart *ex-vivo* (ref. 1, 2, 3). In this case the membrane around the pericardium was populated with data collecting sensors, as pressure sensors, electrical reading electrodes, pH sensors, etc., and they took the heart out of the unfortunate rabbit, then kept it beating with a heart pacemaker and a heart-lung machine. Our device would have passive electrodes on the membrane instead, so it is a simple modification of an existing technology.

