





LIFEPAK® CR Plus AED Versus Heartstart® AED AED Product Comparison

	Medtronic Physio-Control LIFEPAK CR Plus AED	Philips Heartstart Home Defibrillator
How Easy is the AED to Use?		
Intuitive and easy to use design focusing on only one task at a time	Yes ¹ 	No 
Available in a fully automatic model	Yes	No
Visual indication that electrodes are making proper contact	Yes	No
Voice prompts comply with AHA guidelines	Yes	No, prompts do not instruct user to call for help until after first shock
The AED is shipped ready for immediate use with electrodes and battery installed	Yes	No
Prompts are specific, clear and concise; identifies specific button for shock delivery	Yes	No, specific shock button not referenced
How Advanced is the AED's Technology?		
Escalating biphasic full energy for difficult to defibrillate patients	Yes, 200–360J	No, 150J fixed
Uses ADAPTIV™ biphasic technology waveform that adjusts voltage and duration to deliver correct level of therapy to patient	Yes	No
Electrodes designed to fit ALS defibrillators used by most EMS paramedic teams	Yes	No
Defibrillation success rank among four AEDs with biphasic waveforms	1 ²	4 ²
ALS/EMS advanced defibrillator compatible with AED available for patient handoff	Yes	No
Is the AED Easy and Economical to Own?		
Battery (CHARGE-PAK™ battery charger) and electrode expiration dates match, minimizing maintenance time and inventory costs	Yes	No
Separate trainer available, eliminating need to remove clinical unit from service or buy extra AED for training	Yes	No
Electrodes compatible with other defibrillator models from the manufacturer	Yes	No
Cost of replacing five sets of adult training electrodes	\$30	\$400

¹ Human Factors International, Expert review of 5 commercially available AEDs for intuitiveness and ease of use. May, 2003

² Walker, R.G., Melnick, S.B., Chapman, F.W., Walcott, G.P., Schmitt, G.P., Ideker, R.E. 2003. Comparison of six clinically used external defibrillators in swine. *Resuscitation*, Vol. 57: 1: 73–83