



## LIFEPAK® CR Plus AED Versus Zoll AED Plus™ AED Product Comparison

**Medtronic  
LIFEPAK CR Plus AED**



**Zoll  
AED Plus**



### How Easy is the AED to Use?

Rated “superior overall” in intuitiveness and ease of use by an independent team of usability experts	Yes <sup>1</sup>	No <sup>1</sup>
Available in a fully automatic model	Yes	No
Number of steps to properly deliver first shock, as portrayed on device	2 or 3	9
Average number of seconds to first shock	74.8 <sup>2</sup>	153.4 <sup>2</sup>
Visual indication that electrodes are making proper contact	Yes	No
Standard electrode design recognized and used by thousands of medical professionals	Yes	No
Rated most difficult to use by 23 of 24 lay users	No <sup>2</sup>	Yes <sup>2</sup>

### How Advanced is the AED’s Technology?

Escalating biphasic full energy range for difficult to defibrillate patients	Yes, 200–360J	No, 120–200J
Highest first shock defibrillation success rate among four AEDs with biphasic waveforms	Yes <sup>3</sup>	No <sup>3</sup>
Electrodes designed to fit ALS defibrillators used by most EMS paramedic teams	Yes	No
Uses biphasic waveform that adjusts voltage, duration and current to tailor therapy to the patient	Yes	No
Has motion detection to minimize possibility of incorrect shock/no shock decisions	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
Initial and replacement cost for batteries (or CHARGE-PAK chargers) and electrodes over 5 years	\$198	\$656 <sup>4,6</sup>
Cost of replacing 2 sets of electrodes after AED is used on a patient	\$99 (includes CHARGE-PAK charger)	\$262 <sup>6</sup>
Batteries (or CHARGE-PAK charger) and electrodes are both warranted by AED manufacturer	Yes	No
Requires purchasing a \$150 simulator/tester prior to placing AED into service, for periodic maintenance and after each use	No	Yes <sup>5</sup>
Validated, Web-based refresher AED training with automatic tracking	Yes	No
Cost of training unit	\$325	\$523 <sup>6</sup>
Availability of post-event, on-site data download and product refurbishment	Yes	No

AED users should be trained in CPR and use of the AED. Please consult your physician. A prescription is required.  
For more information contact Medtronic at 1.800.442.1142.

1 Human Factors International, Expert review of 5 commercially available AEDs for intuitiveness and ease of use. May, 2003  
 2 Earnes, P., Larsen, P.D., and Galletly, D.C. 2003. Comparison of ease of use of three automated external defibrillators by untrained lay people. *Resuscitation*, 58: 25-30

3 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  
 4 Assumes no AED uses and one spare pair of electrodes per shelf life specifications (four pair total)  
 5 Zoll AED Plus Administrators Guide, page 13  
 6 Zoll Federal Supply Schedule 2004