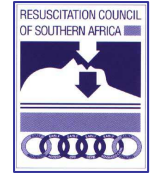


## Recommended Manual Defibrillator Energy Settings in Adult and Paediatric Cardiac Arrest (November 2011)



### **Paediatric Patients (Pre-Puberty)**

*Monophasic & Biphasic Manual Defibrillators* - 4 Joules/kg (1<sup>st</sup> and subsequent shocks)

### **Adult Patients (Post-Puberty)**

*Monophasic Manual Defibrillators* - 360 Joules (1<sup>st</sup> and subsequent shocks)

*Biphasic Manual Defibrillators* - As per Manufacturer's recommendations (See Table below)  
- If unknown, use maximum energy available

Distributor in SA (Alphabetically)	Manual Defibrillator Make	Biphasic Waveform	Recommended Manual Energy Settings in Cardiac Arrest (Joules)			
			1 <sup>st</sup> Shock	2 <sup>nd</sup> Shock	Subsequent Shocks	Paediatric
Medhold	G E Responder 2000	BTE (VE)	200 J	200 J	270 J	4 J/kg
MedSci	Philips / Heartstart	BTE	150 J	150 J	150 J	4 J/kg
Physio-Control	Lifepak	BTE	200 J	300 J	360 J	4 J/kg
SSEM Mthembu	Nihon Kohden	BTE	150 J	200 J	270 J	4 J/kg
STAT Tiakeni	Zoll	Rectilinear	120 J	150 J	200 J	4 J/kg

(BTE = Biphasic Truncated Exponential) (VE = Variable Escalating)

The recommendations in the table above have been supplied by the local distributors of manual defibrillators in South Africa. Please notify the Resuscitation Council of Southern Africa if any defibrillator or distributor is not featured on this document.

### **Labeling of Defibrillators**

- **Manual Defibrillators:** The Resuscitation Council of Southern Africa advocates that all manual defibrillators should be clearly labeled with the defibrillator energy settings for cardiac arrest as recommended by the manufacturer. This is likely to increase the speed, safety and effectiveness of defibrillation in cardiac arrest.
- **Automated Defibrillators:** It is strongly recommended that AED's that have been modified to comply with the latest international guidelines should be labeled "2010 Protocol Compliant". AED users are advised to follow the AED voice prompts and to upgrade their device as necessary.
- **AED Starter/Preparatory Kits:** It is strongly recommended that all AED's have an accompanying "Starter/Preparatory Kit" comprising no less than 1 pair of latex-free gloves, 1 pair of scissors, 1 dry razor and 1 protective ventilatory mouthpiece.

DISTRIBUTOR	DEFIBRILLATOR MAKE	CONTACT PERSON	CELLPHONE	OFFICE
Ecomed Medical	Life Gain Defib Tech	Greg de Freitas	082 565 8067	011 955 5710
Medhold	G E Healthcare Responder	Dave Evans	083 227 1357	021 552 2009
MedSci	Philips / Hewlett-Packard	Pieter Janse van Rensburg	082 452 5295	086 163 3724
Miracle Medical	Philips / Lifepak	Jennie Greenhill	083 258 1364	011 485 4408
Pharm Quip	Primedic	Lynton Scorgie	082 554 7600	011 794 3088
Physio-Control	Lifepak	Tony Soares	083 256 0267	011 677 4800
Sere-med	Samaritan PAD	Gary Page		011 262 2220
SSEM Mthembu	Cardiac Science Powerheart / Nihon Kohden	Catherine Crawford-Nutt	083 391 1155	011 444 8184
STAT Tiakeni Medical	Zoll / Welch Allyn / MRL	Simon McDonnell	083 632 1061	011 462 3112
TecMed	Schiller	Yolande Viljoen	082 871 4525	011 653 2000

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