Batteries for Niki T34 Syringe Driver

7 Feb 2019. Advice obtained by Hospice Waikato from:
Lesley Powell
Territory Manager
REM Systems

Recently there has been some conversation between Biomedical Engineers, REM SYSTEMS and the end-users about battery life when 9Volt batteries used to run the Niki T34 Syringe Drivers.

For more than a decade the Duracell copper top and the Energiser brands of 9V batteries were the premium batteries. However, since late 2017 the manufacturers have substituted the inferior 6LF22 cells in place of the original 6LR61 cells as a cost cutting exercise.

If the batteries are used in non-demanding applications the end user would not be any the wiser. But when used in higher drain applications the difference becomes all too apparent.

However, most manufacturers make a premium battery which uses the original 6LR61 cells, naturally these cost more.

The Energiser top of the line battery is called the Max plus- see pic.

Panasonic also make a premium battery called Evolta - see pic.

Until recently we recommended users of the T34 pump to use Duracell or Energiser batteries and for years this was satisfactory. Now however it is not enough to simply buy the familiar Copper top Duracell, or the Silver Energiser as both these batteries have been downgraded in quality by manufacturers substituting the inferior 6LF22 cells for the 6LR61 cells.

T34 pump users need to be aware they should use premium batteries that are marked 6LR61. Most hospital purchasing departments need to be made aware of this; it is no longer satisfactory just to purchase "Alkaline Batteries"

REM recently tested several brands of batteries and found that the Medcell battery that REM supplies came out top. Surprisingly the Medcell has no marking to indicate what cells it uses, I opened it and found it was a 6LR61. Assuming the manufacturers of Medcell continue to use the 6LR61 cells then REM should promote the use of this battery.

If you want to purchase the Medline Batteries from REM SYSTEMS they are as follows:

- MD-MPHB9V Medcell Alkaline Battery 9V sold in boxes of 12 each for $60.00 + GST

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25 Feb 2019. Hospice Waikato asked REM Systems advice on the Maxlife brand battery.

This was looked at by their Clinical Engineer who contacted Maxlife.
"Maxlife have just confirmed they are using 6LR61 cells and have no plans to change this.
They also sent an updated data sheet which I have attached. While I have not actually tested this brand the data sheet now shows 6LR61 cells are used so these should be satisfactory for T34 pumps."

We have added the following to the FAQs of our on-line learning course.

Q What battery do I need to use in the Niki T34?

A *The following advice has been received from REM Systems, the suppliers of the Niki T34 device.*

Niki T34 pump users need to be aware they should use premium 9 volt batteries that are marked 6LR61. It is no longer satisfactory just to purchase 'Alkaline Batteries'

Recommended **batteries that meet this standard are:**

Energiser Max Plus 9V 	**Panasonic Evolta 9V** 
Medline Medcell Alkaline Battery 9V (MD-MPHB9V) 	**Maxlife Alkaline 9V** 

Batteries that **DO NOT** meet the premium standard are Duracell copper top or the Silver Energiser as these use 6LF22 cells.