## Comparison of Viamed DB3 Supramaximal Nerve Stimulator V MIPM TOF3D Neuromuscular Transmission Monitor

		Viamed Microstim DB3	MIPM TOF3D	
		(subjective)	(subjective)	(objective) 3-dimentional acceleromyography
Stimulation modes				
TOF - Train of Four	Single	✓	✓	
	Continuous, every 15 seconds.		✓	
TOFs - Train of Four	Stimulation interval adjustable between 1 to 60 minutes.		Stimulation mode can be removed from the menu.	
PTC - Post Tetanic Count		✓	✓	
Single Twitch stimulation	Single	1 Hz	Default can be switched between 1 Hz and 0.5 Hz  Stimulation mode can be removed from the menu.	
	Continuous	1 Hz	Default can be switched between 1 Hz and 0.5 Hz  Stimulation mode can be removed from the menu.	
DBS - Double Burst Stimulation		Ratio 3:2	Default can be switched between ratio of <b>3:2</b> and <b>3:3</b>	
			Stimulation mode can be removed from the menu.	
TET - Tetanic			Default can be switched between 50 Hz and 100 Hz	
			Stimulation mode can be removed from the menu.	

Stimulation sites		
Abductor pollicis / nervus ulnaris	✓	✓
Flexor hallucis brevis muscle / posterior tibial nerve		✓
Obiculari oculi muscle / Facial nerve		✓

Stimulation features & options		
Stimulation strength unit	mA	Default can be switched between <b>mA</b> or <b>μC</b>
Stimulation pulse width	200 µs	In any stimulation mode can be switched between 200 μs or 300 μs
Stimulation output	Rotary control knob	Adjustable via keypad, default can be set
Numerical display of stimulation output		✓
Stimulation visual indicator	✓	✓
Stimulation beep	✓	Can be switched on/off
Timer display		$\checkmark$

Calibration modes			
Automatic calibration function for alignment		•	$\checkmark$
with patients' individual response			
Impedance monitoring for optimal stimulation		,	✓
Calibration of device and creation of		✓	✓
baseline reference			
Calibration (1) at set stimulation strength		✓	✓
Calibration (2) determination of			✓
supramaximal stimulation strength			
Adjustable baseline		✓	✓

Graphs & trends			
Single Twitch Trending Graph			<u> </u>
TOF Trending Graph			✓
TOF Twitch Result graph			✓
PTC result graph			✓
Single Twitch stimulation graph		✓	
TOF stimulation graph		$\checkmark$	
DBS stimulation graph		✓	
TET stimulation graph		$\checkmark$	
Display features			
Large LCD display		√ <i>L</i>	1.4"
Adjustable TOF monitor alerts (lower & upper)			✓
Alerts and faults display		•	
Skin Temperature monitoring		Sensor attaches to	the hand adapter.
Patient stimulation data			
Onboard data storage		•	/
Data storage download to external devices			
		(Unrel	eased)
Remote connection to patient monitor		(11,000)	/ 
		(Unrei	eased)
A			
Accessories	lin ali i dia d	Inch	, a a a
Stimulation leads Patient cable assembly	Included		uded uded
•		IIICI	Included
AMG (Accelomyography) sensor  Temperature sensor		Optional accessory	
AMG Thumb adapter		Optional	Optional accessory
AMG Hand adapter		Optional accessory,	Optional accessory
Aivio Fiariu auapiei		for connection of	for connection of AMG sensor and/or
		skin temperature sensor.	skin temperature sensor.
AMG Eye adapter		Sixir termperature correct:	
AMG Eye adapter Pole mount / standard rail mount			Optional accessory accessory

Stimulation Electrodes	Uses standard low-cost ECG electrodes	Uses standard low-cost ECG electrodes (Paediatric)
Designed to comply with the latest European medical standards		✓