

Home Chemotherapy

Ambulatory Continuous chemotherapies are predominately reconstituted by the hospital pharmacy with cytotoxics (mostly 5FU). The reconstitution technicians are expecting an easy to fill container as well as safer and time saving operations. Care teams need a reliable, accurate and easy to use device that can infuse up to 120 hrs both at the hospital or home environment. Patients undergoing home chemotherapy expect an alarm free & precise infusion solution that ensures comfort, time compliance and maintains quality of life.

Micrel offers the Rythmic™ Perf +, its infusion sets and accessories to specifically both meet and exceed the reconstitution unit requirements, medical staff practices and patient comfort. Furthermore, the Rythmic™ Perf + is "Ready to Connect", providing instant access to the infusion information via Micrelcare™, a web platform. This improves on patient care management and provides efficiency savings.

**For the Chemo reconstitution units:
Simplified bag filling and set priming**

- Transparent soft 100ml and 200ml bags with effortless filling and easy air elimination
- Easy priming sets: manual and rapid priming, pre-filling before reconstitution, reduced volume

**When returning to home:
Safe management of patient care and traceability**

- +/-5% perfusion accuracy: prescriptions fulfilled, no waste of cytotoxics
- Intuitive and safe programming, flow rate adjustment with a hundredth precision
- Reduced alarm activity to avoid hospital readmission
- History download accessed via "Plug & Play" or Internet browser for the patient's medical file

**For Patients:
Comfort and quality of life**

- Unrivalled lightweight, size, battery autonomy and carrying solutions to optimize patient mobility
- Automatic restart after occlusion

Innovations

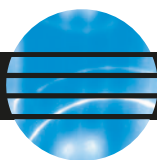
- Micrelcare™: a wireless system that enables clinicians, nurses and homecare providers to remotely control the infusion therapy through the web
- SMS and e-mail alerts can be sent to dedicated care staff



Ready to connect

A truly ambulatory and connecting system

www.micrelcare.net



Rythmic™ Perf +

Delivery modes	• Continuous • Volume/time or Volume/rate • Auto ramp • Intermittent • 25 steps
Flow rate and Accuracy	0.10 to 400ml/h @ +/-5% (2 decimal places in V/T and Auto ramp modes.)
Programming units, Concentration	ml/mg/µg 0.1 to 99.9mg/ml and 0.1 to 999.9 µg/ml
Volume to infuse	1 to 9999 ml
Programmable infusion time Auto Ramp, up & down time	1 min to 199h59 0 min to 9h59
Special functions	<ul style="list-style-type: none"> • Early taper down • Delayed start (up to 24hours) • Mandatory priming (enabled, warning only, disabled) • Automatic priming with the pump • Lockable keyboard
Therapy monitoring History, infusion graph/printout and PC download	<p>"Ready to Connect" to www.micrelcare.net for therapy monitoring through the web.</p> <p>History "Plug & Play" printout and downloads on PC or via Micrelcare™.</p> <p>Rythmic™ Data Manager software: PC download of infusion history up to 6500 times stamped events into xls or text formats "Plug and Play" instant printout of the history</p>
MVO	0,1 to 20.0ml/h
Automatic restart after occlusion release	Yes
Occlusion limits	3 levels: low= 7psi-0.5bar, medium=13psi-0.9bar, high=18.9psi- 1.3 bar
Safety features	• Air in line eliminator, free flow protection according to IEC 60601-2-24
Alarms	Upstream and downstream occlusion (3 levels), near end and end of infusion, low and depleted battery, open mechanism, KVO, incorrect programmed rate, preventive maintenance warning...
Power supply and autonomy	• 9V alkaline: 7 days @2ml/hr Optional external battery pack

	Rythmic Perf+ - Ref: KP5.01.188.x For Rythmic Full set 200ml or external bags	Mini Rythmic Perf+ - Ref: KP5.04.274.x For Rythmic Mini Full set 100 ml or external bags
Weight with battery and dimensions	335 g 130 mm x 133 mm x 46 mm	300 g 130 mm x 75 mm x 46 mm
Carrying bag	Included	Included
Power Adapter	Optional, ref KS5.01.615.x (EU), KS5.04.021.x (UK), KS5.04.041.x (AUS)	Optional, ref KS5.01.615.x (EU), KS5.04.021.x (UK), KS5.04.041.x (AUS)



Mini Rythmic™ Perf +



Rythmic™ Perf + and "Plug & Play" printer for events download



Power adapter for Rythmic Perf + pumps



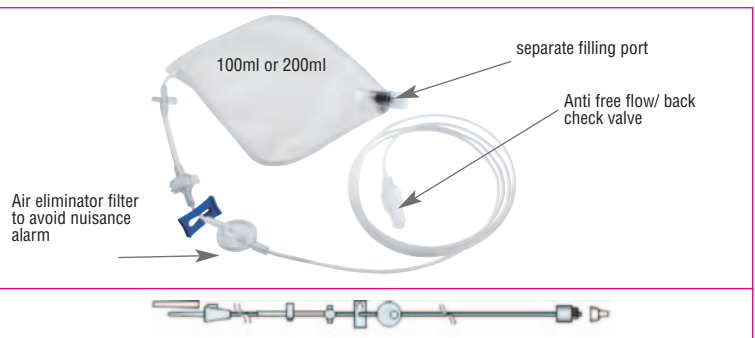
Rythmic™ Perf + in its 250ml banana bag



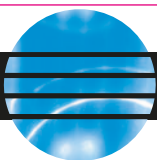
IP Connect Pack for Micrelcare™ connection

Mini Full set 100 ml	KE1.EE.177.x
Y Mini Full set 100 ml	KE1.EE.195.x
Full Set 200 ml	KE1.EE.185.x
Y Full Set 200 ml	KE1.EE.196.x
Spike Set	KM1.EE.099.x

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Medical Devices

Experts in ambulatory infusion therapies

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