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ColourVision
BODY GUARD 545

Epidural Infusion Pump



50
pH 7.35-7.45
Temperature 36.0-38.0
Sodium 135-145
100
In addition
Read package insert
Keep out of the reach
Do not use near heat
150
Do not use near open
flames, oil, or grease
Do not use near
Ester anesthetics
Thefted metal
Drip Chamber
P.O. Box 1000
200
MILWAUKEE, WI 53101

LIT
1.3L/28.75oz

REP: 100-00000
CME Medical
1000 Lakeshore Blvd
Milwaukee, WI 53101
USA
Tel: 414.224.2000
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ColourVision
BODY GUARD 545
Epidural Infusion Pump

CE 0334

BODYGUARD COLOURVISION 545™ EPIDURAL INFUSION PUMP

The BodyGuard ColourVision 545™ is a dedicated, colour-coded pain management system for epidural infusions offering a Dose Error Reduction System (DERS). It has a full colour, digital and descriptive LCD display, and a potential library of 26 protocols, which can be set up to the patients needs or pain management speciality in the hospital or homecare environments. Each protocol offers flexibility within certain features; bolus rate, clinician bolus, hourly volume limits, KVO, occlusion pressure, air in-line.

Main Features:

- Lightweight and compact, suitable for both bedside and ambulatory use
- The BodyGuard™ pumping mechanism ensures outstanding accuracy and linearity of infusion, even at lowest rates to meet the standards of your most demanding specialities
- 26 configurable medication protocols provide storage of drug therapies and limit set up time. Each protocol offers flexibility within certain features; bolus rate, clinician bolus, hourly volume limits, KVO, occlusion pressure, air in-line
- The Shift Totals screen displays attempted and delivered patient boluses, bolus total volume and total volume infused over an elapsed time. These can be reset as required
- Configurable modes of operation which can be set to the patients needs or clinical speciality; continuous only, bolus only, continuous plus bolus and programmed intermittent auto bolus combined with patient bolus (PIB)
- Adjustable air-in-line detection and occlusion pressure settings help to protect patients by providing a fast time to alarm, ensuring early detection of potential issues
- Rechargeable li-polymer battery and pole mounted mains charger allow greater flexibility
- Automatic bolus rate adjustment optimises bolus delivery and prevents false occlusion alarms
- The patient controlled bolus handset with LED indicator puts your patient in control of their pain by alerting them when a bolus is available and when a bolus is being delivered



Features and Applications

Safety Features:

- MediGuard® weight-based dosing software will automatically set a toxicity ceiling based on your patients weight, to prevent excess drug delivery
- Actual pressure displayed on the main screen allows close monitoring of real-time in-line pressure
- The built-in event log automatically records accurate and reliable data on pump use
- The lockable keypad prevents inadvertent key presses
- Fixed or variable code protected programmes are accessible only by authorised personnel
- The Post-Occlusion Bolus Reduction System will safely release pressure from the line, following an occlusion, without administering a potential post-occlusion bolus
- Dedicated administration sets available with Surety® non-Luer connectors – compatible with a wide range of kits for maximum choice and flexibility
- Pump event log accessible via INFO MENU or downloaded to PC through BodyComm® software



Modes of Operation:

- Continuous only
- Patient bolus only
- Continuous with patient bolus
- Auto bolus only
- Auto bolus with continuous
- Combined patient bolus and programmed intermittent auto bolus (PIB)

Intended Use:


The BodyGuard™ Infusion Pump System is designed for infusion of medications or fluids requiring continuous or intermittent delivery at precisely-controlled infusion rates through clinically acceptable routes of administration, including but not limited to:

- Epidural
- Close proximity to nerves

Common Applications:

- Acute post-operative pain management
- Chronic/cancer pain management
- Delivery pain management


Speak to our team who have the knowledge and experience to support you in choosing the right medical infusion products to meet your requirements.



Accessories and Consumables

Accessories

- 100ml Lockbox + 2 Keys
- 250ml Lockbox + 2 Keys
- Ultimate 500ml Lockbox + 4 Keys
- Carry Pouch 100ml
- Carry Pouch 250ml/500ml
- 250ml Washable Yellow Epidural Carry Pouch
- 250ml Single Use Yellow Epidural Carry Pouch
- Remote LED Bolus-coded Handset
- Standard Battery Pack 1800mAh
- Extended Battery Pack 3600mAh
- Charger Base with LED Display
- UK Wall Charger - 8.2V
- 13A Plug Lead 1.8m (Straight)
- BodyComm[®] Kit (including Macro Creator)



The BodyGuard ColourVision 545™ Epidural Infusion Pump has a range of dedicated administration sets. These are colour coded and come with straight or 90° angled spike. All sets are non-DEHP¹ PVC plasticized with TOTM², are BSE-TSE³ free, latex free and EVA⁴ free. Length and priming volume are approximate.

For more information on administration sets or for product codes, please visit our website; cmemmedical.co.uk. You can also contact our Customer Support team on 01253 206700 or email customersupport@cmemmedical.co.uk

References

1. Bis(2-ethylhexyl) phthalate, 2. Tris (2-Ethylhexyl) Trimellitate, 3. Bovine spongiform encephalopathy, 4. Ethylene-vinyl acetate.



Ongoing Support

Clinical Support Network

We cover the UK and work in partnership with healthcare providers to help ensure successful pump conversions and deliver device user training programmes. All our Clinical Support Specialists have backgrounds in areas such as critical care, pain management, theatre and recovery, community and palliative care.

Technical Support

Our Technical Support team comprises of experienced medtech engineers who ensure quality servicing, maintenance and repair of our products. Please contact our team to discuss the different levels of service support available to best suit your needs.

Quality Assurance and Regulatory Support

Our team of experienced Quality Assurance professionals can resolve customer complaints, conduct first line testing (in conjunction with our Technical Support team), whilst managing relations with local regulatory bodies, supplier and quality audits and regulatory approvals.



Regional Field Sales Support

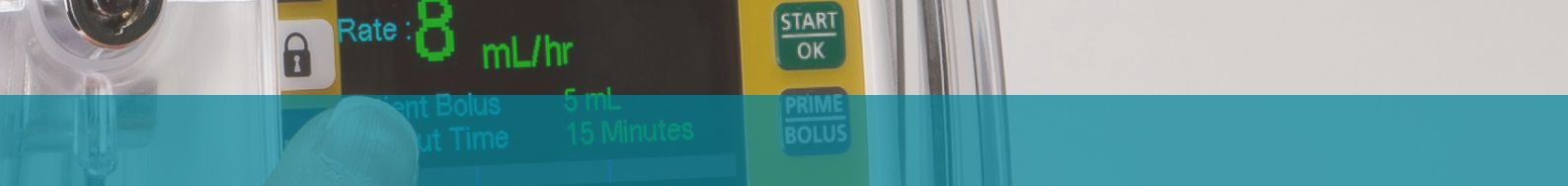
When you want to make informed choices about which products will meet the needs of your service and patients, our team has the knowledge and experience to talk to you, wherever you are in the UK or Ireland.

Customer Support

Whether you are a clinician, an engineer or a patient using CME Medical products or services, our team of experienced customer support professionals are available to deal with your enquiry.

Technical Specification

Device type	Piston pump
Flow rate	0ml/hr to 30 ml/hr in 0.1ml increments
Priming rate	600ml/hr
Total infused volume	0.1ml to 1,000 ml
Total time setting	100 hours
Pump accuracy	+/- 5%
KVO rate	0.1ml/hr to 5ml/hr
Air sensor	Ultrasonic, adjustable air bubble size
Maximum pressure	14psi adjustable (350mmHg - 1100mmHg (7psi – 21psi))
Power supply	110-240 VAC, 50/60 Hz. 0.3A max
Battery	Rechargeable Li-Ion 7.4V, 1800mAh (typical)
Battery operation at 125 ml/hr	15 hours (rechargeable)
Battery charging	Automatic when clicked into the charger that is connected to an AC power source. Six hours needed to charge a fully-depleted battery
Alarms	Air in line, down occlusion, pump unattended, end of infusion, low battery, end battery, door open, error (followed by error code), lock mode, lock out mode, missing key
Dimensions	112mm x 89mm x 32mm



Classification	Type CF Equipment (degree of protection against electrical shock)
Housing	ABS (fire retardant)
Weight	390g (with battery)
Electrical safety	Complies with EN 60601-1 (Medical Electrical Equipment Safety), IEC 60601-2-24 (Infusion pumps and controllers), IEC 60601-1-4 (Programmable Electrical Medical System)
Standards	Manufactured in accordance with ISO 9001;2008 and ISO 13485;2003. CE marked (In accordance with the Medical Devices Directive 93/42/EEC)
EMC	The BodyGuard Infusion System is designed to be in compliance with EN 60601-1 (safety) and IEC 601-1-2 (EMC)
Environmental specifications	Non operating conditions (transportation and storage):
Temperature	-25°C to +50°C (-13°F to +122°F)
Humidity	5% to 100% R.H., non-condensing
Air pressure	48kPa to 110kPa
Operating conditions	The system may not meet all performance specifications if operated outside of the following conditions:
Temperature	+18°C to +45°C (+59°F to +113°F)
Humidity	20% to 90% R.H. at +40°C, non-condensing
Air pressure	70kPa to 110kPa



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Say hello!  