BODY GUARD 545
Epidural Infusion Pump

Suitable for Epidural* or Intrathecal Infusions

*Complies with NPSA Safer Practice with Epidural Injections and Infusions Patient Safety Alert 21 2007
You and your patients can depend on the BodyGuard 545™ Epidural Infusion Pump for safe epidural and intrathecal pain management

**Applications**

- Labour and delivery
- Surgery
- Post-operative pain management
- Chronic pain management

**Intended use**

- Epidural
- Intrathecal

**Modes of operation**

- Bolus only
- Continuous only
- Continuous plus bolus
- Auto bolus

When you need an accurate and reliable system that delivers effective pain management

- The BodyGuard pumping mechanism ensures unparalleled accuracy and linearity of infusion, even at the lowest rates, to meet the standards of your most demanding specialities
- **Adjustable air-in-line detection** and occlusion pressure settings help to prevent nuisance alarms
- The **automatic bolus rate adjustment** optimises bolus delivery and prevents false occlusion alarms
- The **Post Occlusion Bolus Reduction System** (POBRS) will safely release pressure from the line, following an occlusion, without administering a potential post occlusion bolus
When you need a system which is quick and easy to use, allowing you more time for your patients

- **Intuitively designed** for easy programming
- **26 configurable medication protocols** limit set up time and possible errors
- The **digital descriptive display** guides you through the use of the pump

When you need safety built in as standard so you can reassure your patients that they are in safe hands

- The **yellow fascia clearly denotes its intended use** for epidural and intrathecal infusion
- The **MediGuard Drug Error Reduction Software** built in to all BodyGuard pumps as standard, will automatically set a toxicity ceiling based on your patient’s weight, to prevent excess drug delivery
- The **built in event log** automatically records accurate and reliable data on pump use
- The **lockable keypad** prevents most inadvertent key presses
- A **range of alerts and alarms** will draw immediate attention to any pump status requiring intervention
- **Fixed or variable code protected protocols** are only accessible by authorised personnel to avoid possible error

- **Dedicated lockboxes** are available to protect controlled drugs
- **Dedicated, colour-coded administration sets** allow quick and easy identification against standard IV lines
- Enables **assessment of patient compliance and monitoring of infusion activity**, thus reducing errors

When you need the flexibility to allow your patients to ambulate as they wish

- The pump can be **run on mains power** or using a re-chargeable Li-Polymer battery
- The pump can be used with or without a drip stand – carry pouches available

When you need a pump which offers your patients a host of benefits:

- A **small, light and compact** pump with quiet operation
- A **patient-controlled bolus rate which is configurable up to 1000ml/hour** – ideal for the delivery of short and fast acting pain relief for optimum comfort
- **Peace of mind** knowing they are using a safety enhanced, dedicated epidural device
### Pump

<table>
<thead>
<tr>
<th>Product code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SBOM545A</td>
<td><strong>BodyGuard 545™ Epidural Infusion Pump</strong>&lt;br&gt;Includes: pump, charger base (LED display) &amp; DC charging cable, operations manual, AC mains lead, coded bolus handset and standard life Li-Polymer battery (1800mAh)</td>
</tr>
<tr>
<td>100-423PXS</td>
<td><strong>BodyGuard 545™ Epidural Infusion Pump (only)</strong></td>
</tr>
</tbody>
</table>

### Accessories

<table>
<thead>
<tr>
<th>Product code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>170-000X</td>
<td>Lockbox – 100ml</td>
</tr>
<tr>
<td>170-250X</td>
<td>Lockbox – 250ml</td>
</tr>
<tr>
<td>193-000XM</td>
<td>Lockbox – 500ml</td>
</tr>
<tr>
<td>150-000X</td>
<td>Carry pouch (reusable) – 100ml</td>
</tr>
<tr>
<td>150-001X</td>
<td>Carry pouch (reusable) – 250ml</td>
</tr>
<tr>
<td>150-250XE</td>
<td>Carry pouch (reusable) – 250ml, with yellow accents</td>
</tr>
<tr>
<td>198-203</td>
<td>Carry pouch (single patient use) – 250ml, with yellow accents</td>
</tr>
<tr>
<td>141-100XM</td>
<td>Bolus handset (coded)</td>
</tr>
<tr>
<td>130-050X2</td>
<td>Battery adapter (2 x 9V)</td>
</tr>
<tr>
<td>130-050XA</td>
<td>Standard life Li-Polymer battery (1800mAh)</td>
</tr>
<tr>
<td>130-051X</td>
<td>Extended life Li-Polymer battery (3600mAh)</td>
</tr>
<tr>
<td>150-314X</td>
<td>Charger base (LED display) &amp; DC charging cable</td>
</tr>
<tr>
<td>150-331X</td>
<td>Desktop charger</td>
</tr>
<tr>
<td>150-314XM</td>
<td>Charger base (no LED display)</td>
</tr>
<tr>
<td>196-000X</td>
<td>DC charging cable</td>
</tr>
<tr>
<td>100-072XA</td>
<td>AC mains lead</td>
</tr>
<tr>
<td>SBOMBODYCA</td>
<td>BodyComm Kit for BodyGuard</td>
</tr>
</tbody>
</table>

All carry pouches will accommodate pump, lockbox and fluid bag
## Administration sets

<table>
<thead>
<tr>
<th>Product code</th>
<th>Colour</th>
<th>Patient connection</th>
<th>Bag spike</th>
<th>Length/Priming volume</th>
<th>Free flow protection</th>
</tr>
</thead>
<tbody>
<tr>
<td>100-163XES</td>
<td>Yellow stripe</td>
<td>Luer lock</td>
<td>Straight</td>
<td>230cm/5ml</td>
<td>Anti-siphon valve &amp; clamp</td>
</tr>
<tr>
<td>100-163XE90S</td>
<td>Yellow stripe</td>
<td>Luer lock</td>
<td>Angled (90°)</td>
<td>230cm/5ml</td>
<td>Anti-siphon valve &amp; clamp</td>
</tr>
<tr>
<td>100-163XE90SY</td>
<td>Solid yellow</td>
<td>Luer lock</td>
<td>Angled (90°)</td>
<td>230cm/5ml</td>
<td>Anti-siphon valve &amp; clamp</td>
</tr>
<tr>
<td>110-163XESK</td>
<td>Yellow stripe</td>
<td>Surety® non-Luer connector</td>
<td>Straight</td>
<td>230cm/5ml</td>
<td>Anti-siphon valve &amp; clamp</td>
</tr>
<tr>
<td>110-163XE90SK</td>
<td>Yellow stripe</td>
<td>Surety® non-Luer connector</td>
<td>Angled (90°)</td>
<td>230cm/5ml</td>
<td>Anti-siphon valve &amp; clamp</td>
</tr>
</tbody>
</table>

All sets are latex free with anti-kink tubing. Length and priming volumes are approximate.
## Technical specification

<table>
<thead>
<tr>
<th><strong>BodyGuard 545™ Epidural Infusion Pump</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Description</strong></td>
</tr>
<tr>
<td><strong>Dimensions</strong></td>
</tr>
<tr>
<td><strong>Mains and battery power supply</strong></td>
</tr>
<tr>
<td><strong>Battery life</strong></td>
</tr>
<tr>
<td><strong>Weight</strong></td>
</tr>
</tbody>
</table>
| **Alerts**                               | Low Battery 
Near End |
| **Alarms**                               | Air/Upstream Occlusion 
Down Occlusion 
Door Open 
Pump paused too long (unattended) 
End Program 
Low Battery 
End Battery 
Missing Key 
Restart Pump 
System/Technical Problem 
Fatal Error |
Technical Support

Your technical support needs are our priority. As an ISO 13485 certified support facility, we can offer you high quality technical support and training, with services developed by our customers for our customers.

You and your team will benefit from market leading technical training and support services. We will work with you to ensure you receive the best possible service package for your needs.

TRAINING

Your role as Biomedical Engineer in supporting and maintaining these sophisticated devices is a very important one. That is why we offer a range of technical training courses and materials which are designed to give you the knowledge and skills to expertly support your chosen devices.

EQUIPMENT REPAIR AND SERVICING

Our team of highly skilled engineers will support you by ensuring competitive turnaround times. Prompt spare parts order fulfilment is guaranteed by our significant stock holding capability.

SERVICE CONTRACTS

When entering into a service contract with CME Medical, a partnership is formed to ensure your requirements are identified and addressed from the outset.

Clinical Support

You and your team need the confidence to competently and safely operate your chosen infusion devices. That is why we have developed a range of education programmes which are based on current and well established principles of learning and training strategies and which follow national standards for medical device training.

Your competency-based training can be delivered either face to face or via e-learning. We can offer both at the point of purchase and periodically as required.

Your dedicated Clinical Support Specialist will work with you to develop a training plan which is tailored to your local needs, fit for purpose and which will help you to achieve your training objectives. Emphasis will be placed on intensive training for your advanced users, allowing you to take control of your own cascade training throughout your organisation going forward.
BodyComm

BodyComm is, easy to use configuration software which enables efficient and flexible management of all infusion protocols stored in your BodyGuard 545™ Epidural Infusion Pump.

Use BodyComm to:

• Download, save and print a record of the last 512 sequential stored events, including alarms, from your pump event log for display in text and graphic format

• Define and save up to 26 protocols for multiple pump programming capability

Data captured for each event:

• Date & time

• Flow rate

• Volume infused

• Volume to be infused

• Protocol data

• Battery or AC power

• Event number

• Pump serial number

• State of operation (pump operating, alarming etc.)
Our complete range of specialist infusion devices

TC34  TC60  TPCA
Ambulatory Syringe Pump  Ambulatory Syringe Pump  Pain Management Syringe Pump

BODYGUARD 323  BODYGUARD 2CH
Ambulatory Infusion Pump  Twin Channel Infusion Pump

BODYGUARD 545  BODYGUARD 575  BODYGUARD 595
Epidural Infusion Pump  Pain Management Infusion Pump  Regional Anaesthesia Infusion Pump

For more information, please contact us using the details below

Head Office
Kincraig Business Park
Kincraig Road
Blackpool FY2 0PJ
Fax: 01253 896648
Central Switchboard: 01253 894646

Southern Office
Milton Park Innovation Centre
99 Milton Park
Abingdon OX14 4RY
Fax: 08704416093
email: info@cmemedical.co.uk
www.cmemedical.co.uk