## OTHER NAMES
Invanz®

## CLASSIFICATION
Antibiotic - carbapenem, β lactam

## ALLERGY ALERT
See Contraindications/Cautions

- To minimise the development of resistant organisms, IV use of ertapenem is restricted by the Regional Medical Advisory Committee for details see VIHA (South Island) Pharmacy Web site http://intranet.viha.ca/clinical_support/pharmacy/si/formulary.htm

## INDICATIONS FOR IV USE
**HEALTH CANADA APPROVED**
- Treatment of various infections due to susceptible organisms, including the following: complicated intra-abdominal, urinary tract or skin and soft tissue infections, community acquired pneumonia and gynaecological infections.

## SPECTRUM OF ACTIVITY
- **gram positive:** most gram positive organisms except Enterococcus and methicillin-resistant Staphylococcus.
- **gram negative:** most gram negative aerobic organisms. Does not cover Pseudomonas or Acinetobacter.
- **anaerobes:** most anaerobes including Bacteroides and Clostridium.

## CONTRAINDICATIONS
- **Hypersensitivity to ertapenem.**

## CAUTIONS
- **Hypersensitivity to penicillins, cephalosporins or other β lactam antibiotics, e.g. imipenem.**
- Compromised renal function and/or CNS lesions; potential to cause seizures.¹

## PREGNANCY/BREAST FEEDING
Contact pharmacy for most recent information.

## ADMINISTRATION

<table>
<thead>
<tr>
<th>MODE</th>
<th>DIRECT INTO IV TUBING</th>
<th>INTERMITTENT INFUSION</th>
<th>CONTINUOUS INFUSION</th>
</tr>
</thead>
<tbody>
<tr>
<td>WHO MAY GIVE</td>
<td></td>
<td>All registered nurses</td>
<td></td>
</tr>
<tr>
<td>ADULT</td>
<td></td>
<td>Add 1 g to 50 - 100 mL NS.</td>
<td>Infuse over 30 minutes</td>
</tr>
<tr>
<td>PAEDIATRIC</td>
<td></td>
<td>Limited information</td>
<td></td>
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<tr>
<td>NEONATE</td>
<td></td>
<td>No information</td>
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</tr>
</tbody>
</table>

**REQUIREMENTS**
None

**MONITORING**
- **REQUIRED**
  - None
- **RECOMMENDED**
  - None

**RECONSTITUTION**
- Available as ertapenem 1g vial.
- Reconstitute ertapenem with 10 mL NS, bacteriostatic water for injection or sterile water for injection, for a concentration of 102 mg/mL.¹ A reconstitution device may be used with a NS minibag.

References available on the VIHA (South Island) Pharmacy Web site (http://intranet.viha.ca/clinical_support/pharmacy/si/) Dec 2004
COMPATIBILITY/STABILITY
- Compatible with NS. Diluted solutions are stable for at least 24 hours at room temperature and in the refrigerator.
- Incompatibility with dextrose containing solutions.
- Compatible with heparin flushing solutions.
- For additional drug-drug compatibility, contact drug information.

ADVERSE EFFECTS
COMMON
- Diarrhoea, nausea, vomiting
- Headache
- Pain at injection site, phlebitis/thrombophlebitis
- Vaginitis

SERIOUS
- Altered mental status
- Seizures

DOSE
ADULT
- 1 g daily. Duration of therapy is based on diagnosis.¹

ELDERLY
- No dosage adjustment is necessary for elderly patients with normal (for their age) renal function.¹

PEDIATRICS
- Limited information available at this time. Doses similar to those used in adults have been used in a few adolescents in adult clinical trials.⁴,⁵

NEONATE
- No information available at this time.

RENAL IMPAIRMENT ADJUSTMENTS¹
- Reduce dose to 500 mg daily in patients with a creatinine clearance (GFR) less than or equal to 30 mL/min/1.73 m².

HEPATIC IMPAIRMENT ADJUSTMENTS
- None required.¹

HEMO/PERITONEAL DIALYSIS
- Haemodialysis: 500 mg daily with a supplement of 150 mg post dialysis if patient has received daily dose within 6 hours of dialysis session.¹
- CAPD: no information available at this time.

MISCELLANEOUS
- IM use: can be given IM when reconstituted with lidocaine 1% - see vial for exact details.¹
- SC use: no information available at this time.
ERTAPENEM - REFERENCES


