

VANCOUVER HOSPITAL & HEALTH SCIENCES CENTRE
CSU PHARMACEUTICAL SCIENCES
SPECIAL ACCESS DRUG DATA SHEET

DRUG NAME

Cidofovir

ALTERNATE NAMES

Vistide®
HPMPC

MANUFACTURER

Gilead Sciences Inc.

STRENGTH

75mg/mL supplied as 375mg/5mL vial

DOSAGE FORM

Injection

INDICATIONS

- Cidofovir is a selective inhibitor of viral DNA polymerase, which suppresses viral replication.
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DOSAGE AND ADMINISTRATION

- Induction dose: 5mg/kg IV once weekly for 2 weeks.
 - Maintenance dose: 5mg/kg IV once every 2 weeks.
 - Reduce maintenance dose to 3mg/kg if serum creatinine rises by 25-35µmol/L from baseline during treatment.
 - Dilute dose in 100mL normal saline and infuse over 1 hour.
 - Absolute expiry of cidofovir in 100mL NS is 24hrs at room temperature or refrigerated.
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POTENTIAL ADVERSE EFFECTS*

- Nephrotoxicity is the major dose-limiting toxicity. Renal function must be monitored within 48hrs of each dose of cidofovir.
 - Neutropenia may occur, and neutrophil count should be monitored.
 - Metabolic acidosis, decreased intraocular pressure, uveitis, iritis, nausea and vomiting, fever, infection, and dyspnea have occurred.
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SPECIAL PRECAUTIONS

- Contraindicated in patients with a serum creatinine > 132µmol/L, creatinine clearance ≤ 55mL/min or urine protein ≥100mg/dL.
 - Do not administer cidofovir concurrently with other nephrotoxic drugs (e.g. aminoglycosides, amphotericin B, foscarnet, pentamidine, vancomycin, NSAIDS). Nephrotoxic drugs must be discontinued at least 7 days prior to therapy with cidofovir.
 - Prepare under a biohazard hood.
 - Dilute in 100mL normal saline only. Do not mix with any other solutions or medications.
 - Probenecid must be administered concurrently with cidofovir, at a dose of 2g po 3hrs prior to the cidofovir infusion and 1g po at 2hrs and 8hrs post infusion.
 - 1L of normal saline must be infused over 1-2hrs immediately prior to each cidofovir dose, and, if possible a second litre of NS should be infused over 1-3hrs during or immediately after the cidofovir infusion.
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REPORT ANY ADVERSE DRUG REACTIONS TO THE PHARMACY

cidofovir
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