General description

Ifosfamide is a nitrogen mustard alkylating agent used in treatment protocols for bone and soft tissue sarcomas, and testicular and ovarian cancers.

<table>
<thead>
<tr>
<th>INN</th>
<th>Ifosfamide</th>
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<tbody>
<tr>
<td>ATC codes</td>
<td>L01AA06</td>
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<tr>
<td>Medicine type</td>
<td>Chemical agent</td>
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</tbody>
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**EML status history**
- First added in 2009 (TRS 958) for Other specified malignant neoplasms of the ovary
- Added in 2009 (TRS 958) for Ewing sarcoma of bone and articular cartilage of unspecified sites
- Added in 2009 (TRS 958) for Rhabdomyosarcoma primary site
- Added in 2009 (TRS 958) for Osteosarcoma of bone and articular cartilage of unspecified sites
- Added in 2009 (TRS 958) for Germ cell tumour of testis
- Added in 2009 (TRS 958) for Unspecified malignant neoplasms of ill-defined or unspecified sites
- Removed in 2015 (TRS 994) for Unspecified malignant neoplasms of ill-defined or unspecified sites
- Added in 2021 (TRS 1035) for Burkitt lymphoma including Burkitt leukaemia
- Added in 2021 (TRS 1035) for Malignant neoplasms of kidney, except renal pelvis
- Added in 2023 (TRS 1049) for Anaplastic large cell lymphoma, ALK-positive
- Added in 2023 (TRS 1049) for Anaplastic large cell lymphoma, ALK-negative

**Recommendations**
### Cytotoxic medicines

Parenteral > General injections > IV: 500 mg in vial powder for injection; 1 g in vial powder for injection; 2 g in vial powder for injection

Parenteral > General injections > IV: 1 g in vial powder for injection; 2 g in vial powder for injection

### Indications

- Osteosarcoma of bone and articular cartilage of unspecified sites
- Other specified malignant neoplasms of the ovary
- Germ cell tumour of testis
- Rhabdomyosarcoma primary site
- Ewing sarcoma of bone and articular cartilage of unspecified sites
- Unspecified malignant neoplasms of ill-defined or unspecified sites
- Burkitt lymphoma including Burkitt leukaemia
- Malignant neoplasms of kidney, except renal pelvis
- Anaplastic large cell lymphoma, ALK-positive
- Anaplastic large cell lymphoma, ALK-negative