Cell Therapy Systems
Recombinant Human Interleukin-2 CTS™
( IL-2 )

PRODUCT ANALYSIS SHEET

Catalog Number: CTP0021  CTP0023
Quantity: 100 µg  1 mg
Lot Number: See product label
Molecular Weight: 15.5 kDa
Purity: >95% as determined by SDS-PAGE analysis.
Biological Activity: ED50 range = 0.08-0.5 ng/mL, determined by the dose dependent proliferation of mouse CTLL-2 cells. Optimal concentration for individual application should be determined by a dose response assay.
Formulation: Lyophilized, carrier free.
Sterility: Filtered prior to lyophilization through a 0.22 micron sterile filter.
Endotoxin: <0.1 ng/µg
Production: Recombinant human IL-2 is produced in E. coli and purified via gel filtration chromatography.

Reconstitution Recommendation: We recommend that the vial be briefly centrifuged prior to opening to bring the contents to the bottom. Lyophilized hIL-2 should be reconstituted in 100 mM acetic acid to 0.1-1.0 mg/mL to regain full activity. These stock solutions should be apportioned into working aliquots and stored at ≤−20°C. Further dilutions should be made in low endotoxin medium or buffered solution with FBS or tissue culture grade BSA. It is recommended that all culture media containing supplements, such as growth factor, be sterile filtered prior to use for cell, gene, or tissue-based applications to minimize risk of contamination.

Suggested Working Dilutions: The optimal concentration should be determined for each specific application.
Storage: Lyophilized hIL-2 should be stored at 2-8°C, preferably desiccated. Store reconstituted hIL-2 at ≤−20°C (not in a frost-free freezer). Keep freeze-thaw cycles to a minimum.
Expiration Date: Expires one year from date of receipt when stored as instructed.
References:

For Research Use or Non-Commercial Manufacturing of Cell Based Products for Clinical Research.
CAUTION: Not intended for direct administration into humans or animals
www.invitrogen.com
Manufactured under ISO 13485 Quality Standard
Invitrogen Corporation • 542 Flynn Rd • Camarillo • CA 93012 • Tel: 800.955.6288
For technical support or support related to CTS™ products, www.invitrogen.com/celltherapysupport

PICTS-Hu IL-2
(Rev 07/10) DCC-10-1460

Important Licensing Information - These products may be covered by one or more Limited Use Label Licenses (see the Invitrogen Catalog or our website, www.invitrogen.com). By use of these products you accept the terms and conditions of all applicable Limited Use Label Licenses.

### Explanation of symbols

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>REF</td>
<td>Catalogue Number</td>
</tr>
<tr>
<td>LOT</td>
<td>Batch code</td>
</tr>
<tr>
<td>[-]</td>
<td>Without, does not contain</td>
</tr>
<tr>
<td>[+]</td>
<td>With, contains</td>
</tr>
<tr>
<td>EC/REP</td>
<td>European Community authorised representative</td>
</tr>
<tr>
<td>DOT</td>
<td>In vitro diagnostic medical device</td>
</tr>
<tr>
<td>-</td>
<td>Temperature limitation</td>
</tr>
<tr>
<td>[+]</td>
<td>With, contains</td>
</tr>
<tr>
<td>[-]</td>
<td>Without, does not contain</td>
</tr>
<tr>
<td>R</td>
<td>Research Use Only</td>
</tr>
<tr>
<td>[+]</td>
<td>With, contains</td>
</tr>
<tr>
<td>[-]</td>
<td>Without, does not contain</td>
</tr>
<tr>
<td>R</td>
<td>Research Use Only</td>
</tr>
<tr>
<td>[-]</td>
<td>Without, does not contain</td>
</tr>
</tbody>
</table>

For Research Use or Non-Commercial Manufacturing of Cell Based Products for Clinical Research. CAUTION: Not intended for direct administration into humans or animals

[www.invitrogen.com](http://www.invitrogen.com)

Manufactured under ISO 13485 Quality Standard
Invitrogen Corporation • 542 Flynn Rd • Camarillo • CA 93012 • Tel: 800.955.6288
For technical support or support related to CTS™ products, [www.invitrogen.com/celltherapysupport](http://www.invitrogen.com/celltherapysupport)