Recombinant Mouse Interferon Alpha A (IFN–αA)

Catalog Number: PMC4016

Quantity: 1 × 10⁵ units in 0.1 mL

Lot Number: See product label.

Molecular Weight: 19,323

Purity: ≥ 95%

Biological Activity: 7.25 × 10⁷ units/mg. The biological activity is determined by titration with the use of the cytopathic effect inhibition assay (Rubinstein et al., 1981). In this antiviral assay for interferon, about 1 unit/mL of interferon is the quantity necessary to inhibit the cytopathic effect by 50% using L929 cells challenged with encephalomyocarditis virus. The units are determined with respect to the international reference standard for mouse interferon alpha (mouse–IFN–α) provided by the National Institutes of Health (Pestka, 1986).

Formulation: Phosphate buffered saline containing 0.1% BSA.

Production: Produced in E. coli transfected with mouse DNA.

Dilution Recommendation: Polypropylene tubes and pipet tips should be used when diluting this interferon. Further dilutions should be made in buffered solution containing a carrier protein, such as BSA. The optimal concentration should be determined for each specific application.

Storage: Store at –70°C. Upon initial thawing, apportion into working aliquots and store at –70°C. Avoid repeated freeze thaw cycles to prevent denaturation.

Expiration Date: Expires one year from date of receipt when stored as instructed.

References:

Explanation of Symbols
The symbols present on the product label are explained below:

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Description</th>
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<th>Description</th>
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</thead>
<tbody>
<tr>
<td>REF</td>
<td>Catalog Number</td>
<td>LOT</td>
<td>Batch code</td>
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<tr>
<td>RUO</td>
<td>Research Use Only</td>
<td>IVD</td>
<td>In vitro diagnostic medical device</td>
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<td>Temperature limitation</td>
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<td>European Community authorized representative</td>
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<td>[−]</td>
<td>Without, does not contain</td>
<td>[+]</td>
<td>With, contains</td>
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<td></td>
<td>Protect from light</td>
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<td>Consult accompanying documents</td>
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<td></td>
<td>Directs the user to consult instructions for use (IFU), accompanying the product.</td>
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</tbody>
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