

## CERTIFICATE OF ANALYSIS

### Product Information

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|--------------------|--|
| Product Name:      | M-CSF, Mouse   |
| Cat. No.:          | Z02930-10; Z02930-50; Z02930-1   |
| Lot No.:           | B60081212  |
| Size:              | 10µg/vial; 50µg /vial; 1mg/vial  |
| Storage Condition: | Lyophilized recombinant murine Macrophage-Colony Stimulating Factor (M-CSF) remains stable up to 6 months at lower than -70°C from date of receipt. Upon reconstitution, rmM-CSF should be stable up to 1 week at 4° C or up to 2 months at -20°C. |

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### Quality Control

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| Test Items          | Specifications            | Results   |
|---------------------|---------------------------|-----------|
| Physical Appearance | White Freeze-dried Powder | Conformed |
| Purity (SDS-PAGE)   | > 95%                     | Conformed |
| Purity (HPLC)       | > 95%                     | Conformed |
| Specific Activity   | < 3 ng/ml                 | Conformed |
| Molecular Weight    | 35-44 kDa                 | Conformed |
| Bacterial Endotoxin | < 0.2 EU/µg               | Conformed |

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### Caution:

For laboratory use only. Not for household use. If you have any questions about the Certificate of Analysis, please contact our customer service representative at 1-877-436-7274 (Toll-Free), or 1-732-885-9188.

Certified by:



Date: 12/15/2012

Bioprocess Department