



Certificate of Origin

Date 12-August-2010

Product Name Cell Therapy Systems Recombinant Human IL-7

Catalog Number CTP0071, CTP0073

Lot Number Information applies to all lots produced.

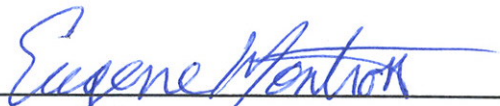
Manufacturing Information Manufactured under ISO13485 Quality Standard

Manufacturing Site Invitrogen, Camarillo, California, USA

Raw Material Information Recombinant human IL-7 is produced in E. coli and purified via sequential chromatography. The product contains no materials directly of animal origin. The product does utilize animal derived components in the manufacturing process.

Animal Derived Components: The fermentation feed contains tryptone derived from bovine milk of US or Australia origin. The fermentation media is sterilized at 122.5°C for 45 minutes, 15 psi. The final purification step is by Reverse Phase Chromatography.

This document was prepared by:



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