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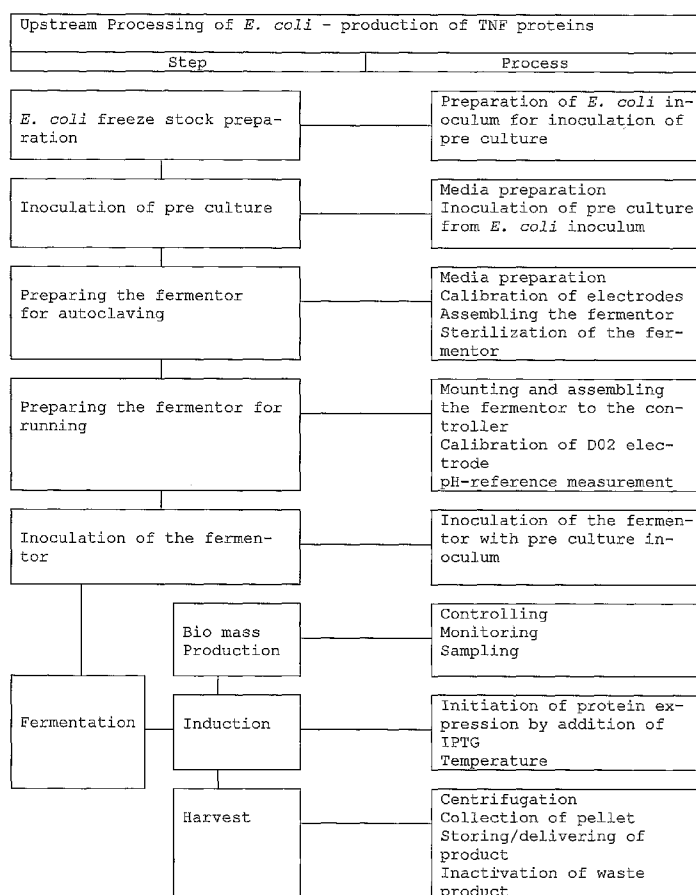
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(54) Title: DETOXIFIED TNF AND METHOD OF PREPARING



(57) Abstract: The present invention provides for an immunogenic analogue of a human TNF α protein, wherein said analogue comprises an immunogenized monomeric TNF α polypeptide or TNF α di- or trimer, and wherein the analogue further comprises a toxicity reducing or abolishing mutation selected from the group consisting of Y87S, D143N or A145R, the amino acid numbering setting out from the N-terminal valine in human TNF α . The invention also provides for a nucleic acid fragment encoding the analogue as well as to vectors and transformed cells useful in the preparation of the analogue. Also disclosed are methods of down-regulating TNF α in a subject in need thereof.

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