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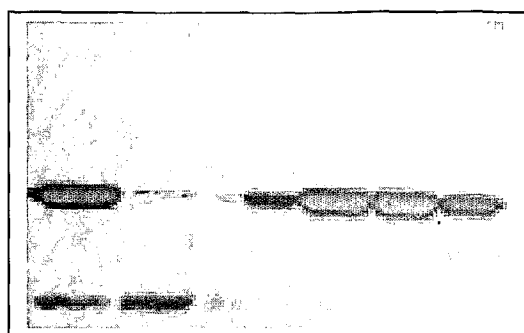
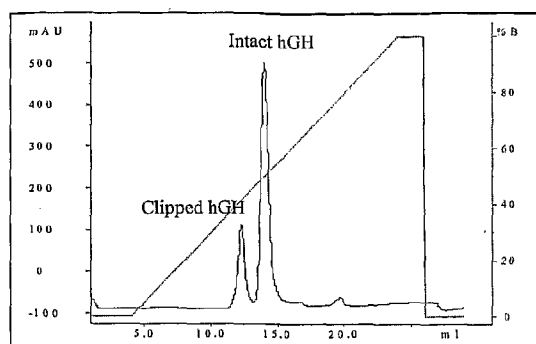
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[Continued on next page]

(54) Title: A NOVEL PROCESS FOR PURIFICATION OF HUMAN GROWTH HORMONE



Lane 1: Starting material
Lane 2 & 3: Clipped hGH fractions
Lane 4-7: Intact hGH fractions

(57) **Abstract:** The present invention relates to a commercial process for purification of human Growth hormone obtained by DNA recombinant technique using hydrophobic interactive chromatography, efficient to separate clipped molecules of human growth hormone present as an impurity arising due to clipping positions present on the megamolecule of human growth hormone from the target human growth hormone molecule using a phenyl column, mixture of aqueous buffers and organic solvents as an eluant, followed by desalting, lyophilization and the invention also relates to the process wherein the elution of clipped molecules of human growth hormone precedes the elution of target human growth hormone to obtain hGH of purity > 99.5%.

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