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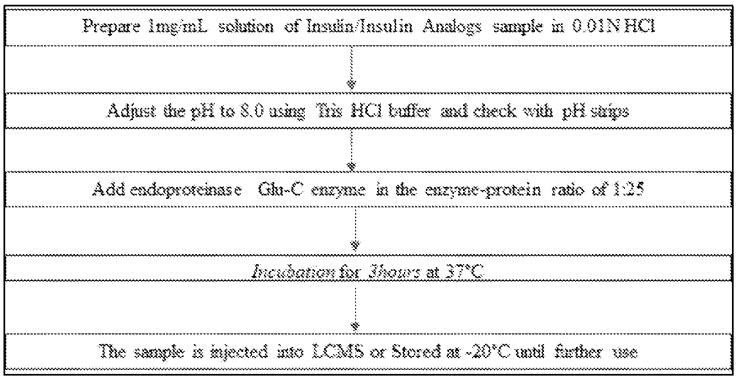

Figure 1 Flowchart depicting the steps involved in digestion of insulin and Insulin analogs

(57) Abstract: The invention relates to peptide mass fingerprinting technique for the proteins such as Human insulin and insulin analogs. The insulin analogues can vary at least by one amino acid, which is elusive to distinguish by currently available analytical methods. The invention further allows sequence confirmation of the peptide wherein the run time of the method is forty minutes. This method could be applied for molecules up to 50kDa.

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