LIQUID GONADOTROPIN CONTAINING FORMULATIONS

Abstract

The invention concerns a liquid gonadotropin-containing formulation characterised in that the formulation comprises a gonadotropin and stabilising amounts of a polycarboxylic acid or a salt thereof and of a thioether compound.

The particular proteins (e.g. LH, TSH, FSH, or HCG) are in admixture with the particular stabilizers in an aqueous solution. The preparations contain a sufficient amount of the polycarboxylic acid or a salt thereof, preferably sodium citrate, and a sufficient amount of the thioether compound, preferably methionine, to stabilize the protein. The preparations preferably also include a nonreducing disaccharide like sucrose, and a non-ionic surfactant.