

The present invention is in the field of the manufacture of recombinant proteins. More specifically, it relates to the use of a serum-free culture medium comprising an antioxidant for the production of recombinant dimeric gonadotropins. The antioxidant may be selected from the group consisting of L-glutathione, 2-mercaptoethanol, L-methionine and a combination of ascorbic acid and of (+)-alpha-tocopherol.