

Title (en)
ISOENZYME CALIBRATOR/CONTROL PRODUCTS

Title (de)
ISOENZYME KALIBRATOR/KONTROLLPRODUKTE

Title (fr)
DISPOSITIF DE CALIBRAGE/CONTROLE D'ISOENZYMES

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Application
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Abstract (en)
[origin: WO9522602A1] The invention relates to buffers used to stabilize isoenzymes with formulations which upon drying and reconstitution recover essentially all of the isoenzyme activity and immunological mass for long term shelf-life storage without experiencing dissociation and rearrangement of its subunits. The buffer used for the long term dry storage of an isoenzyme is a serum-free and a salt-free aqueous buffer which comprises: 1) a glass-forming sugar; 2) an antioxidant mixture; 3) a pH buffer; and 4) a non-ionic surfactant and/or a synthetic polymer and/or a gelatin. The buffer used for the reconstitution of a serum-free and salt-free isoenzyme sample comprises an aqueous buffer containing a salt. In addition, a serum-isoenzyme is disclosed which comprises: 1) a pH buffer; 2) a salt; 3) an antioxidant mixture; and 4) a non-ionic surfactant and/or a synthetic polymer and/or a gelatin. The figure shows the accelerated stability of isoenzyme mass in a serum-based and a serum-free aqueous buffer as determined by an arrhenius plot of the days to reach stability failure against the reciprocal of temperature, extrapolating a storage shelf-life at 5 DEG C.

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