



## Ferritin control (DAG-WT2617)

This product is for research use only and is not intended for diagnostic use.

### PRODUCT INFORMATION

Conjugate	Unconjugated
Applications	Immunoassays
Format	Liquid or Lyophilized
Concentration	≥500ng/mL
Size	0.5 mL, 1.0 mL
Buffer	Synthetic serum
Storage	Store at -20°C

### BACKGROUND

Introduction	Ferritin is an iron-containing protein that plays a major role in the storage and recycling of iron and its incorporation in the haemoproteins (haemoglobin and the cytochromes) where it is required for oxygen transport and cellular respiration. The protein takes up iron in the Fe(II) (ferrous) form where it is oxidised to the Fe(III) oxidation state and stored as a ferric-phosphate hydroxide within the centre of the ferritin oligomer. Free iron is toxic to most organisms because it is a source of free radicals via the iron redox cycle (Fenton cycle). Iron stored by ferritin is in a soluble and non-toxic form.
Keywords	Ferritin; FTL