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## Product Datasheet

### CheKine(TM) Micro Total Iron-Binding Capacity (TIBC) Assay Kit ASC-KTB2150

Article Name	CheKine(TM) Micro Total Iron-Binding Capacity (TIBC) Assay Kit
Biozol Catalog Number	ASC-KTB2150
Supplier Catalog Number	KTB2150
Alternative Catalog Number	ASC-KTB2150-96
Manufacturer	Abbkine Scientific
Category	Kits/Assays
Product Description	CheKine(TM) Micro Total Iron-Binding Capacity (TIBC ) Assay Kit provides a simple, sensitive, rapid TIBC detection method, suitable for detecting serum samples....
Tag	Total Iron Binding Capacity ,TIBC
Application Notes	CheKine(TM) Micro Total Iron-Binding Capacity (TIBC ) Assay Kit provides a simple, sensitive, rapid TIBC detection method, suitable for detecting serum samples. The principle is that under alkaline conditions, serum transferrin can be bonded to Fe <sup>3+</sup> , and the remaining unbound Fe <sup>3+</sup> can be reduced to Fe <sup>2+</sup> , the bonded Fe <sup>3+</sup> could be released after acidification ,and then be reduced into Fe <sup>2+</sup> . A purple compound could be produced by the reaction between Fe <sup>2+</sup> and philo oxazine ,and this purple compound has a special wave at 562 nm. Respectively reading the OD <sub>562nm</sub> values A1 and A2 , and A1 is based on the unbound Fe <sup>3+</sup> , A2 is based on the bounded Fe <sup>3+</sup> . And the concentration of TIBC is proportionate to the difference between A2 and A1.