

## Total Iron Ion Assay Kit

Micro Cell Total Iron Ion Content Assay Kit

CATALOG #  
**AAA332722**

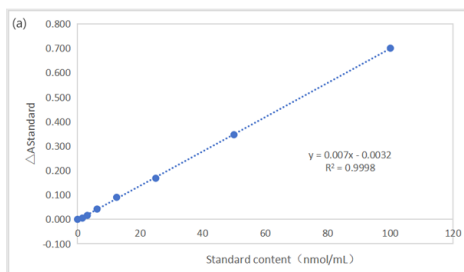
### PRODUCT SYNONYMS

Total Iron Ion; Micro Cell Total Iron Ion Content Assay Kit; Total Iron Ion assay kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Samples                 | Cells                                                                                                                                                                                                                                                                                                                                                                                 |
| Kit Components          | Extraction Buffer<br>Reagent I<br>Standard                                                                                                                                                                                                                                                                                                                                            |
| Features & Benefits     | The verified samples are complete in type and easy to operate.                                                                                                                                                                                                                                                                                                                        |
| Usage Notes             | If not assayed immediately, samples can be stored at -80 degree C for one month. It is recommended to perform several dilutions of your sample to ensure the readings are within the standard value range. Fresh samples are necessary for good results. If don't perform the assay at the same time, it's better to complete the Sample Preparation step before storing the samples. |
| Preparation and Storage | Storage at 4 degree C and Keep from light immediately upon receipt. Kit has a storage time of 6 months from receipt. Refer to list of materials supplied for storage conditions of individual components.<br>Shipping: Gel pack with blue ice.                                                                                                                                        |

### IMAGES



Application Data

### ADDITIONAL INFORMATION

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| Related Product Information for Total Iron Ion assay kit | Iron is one of the essential trace elements of the human body, it is the main component of hemoglobin, myoglobin, cytochrome and other enzyme systems, to help oxygen transport, promote fat oxidation. Lack of iron is likely to cause anemia, metabolic disorder, and affect the body's immune function. Micro Cell Total Iron Ion Content Assay Kit can be used to detect biological samples such as cells. In the kit, after cells is cracked, sodium sulfite reduces Fe3+ in the sample to produce Fe2+, Fe2+ forms a blue complex with tripyridyl triazine under acidic conditions, and has an absorption peak at 593 nm. The content of total iron ion can be calculated by measuring the absorbance of this wavelength. |
| Product Categories/Family for Total Iron Ion assay kit   | Cell analysis; Cell metabolism detection kit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/assay-kits/total-iron-ion/332722>