（FOR RESEARCH USE ONLY. DO NOT USE IT IN CLINICAL DIAGNOSTICS !）

Catalog No: E-ELIR-K001

Product size: 96T*5

Elabscience® Ancillary Reagent Kit

This manual must be read attentively and completely before using this product.

If you have any problems, please contact our Technical Service Center for help (info in the header of each page).

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Intended use

This kit contains a full set of ancillary reagents for ELISA kit development.

Kit components & Storage

The kit can be stored at 2-8℃ for **12 months**.

Item	Specifications	Catalog No
ELISA Plate Coating Buffer(5×)	14 mL	E-ELIR-013
ELISA Plate Blocking Buffer	100 mL	E-ELIR-014
Wash Buffer for Sandwich-ELISA(25×)	55 mL	E-ELIR-015
Stop Solution(5×)	5 mL	E-ELIR-012
HRP-conjugate Diluent	60 mL	E-ELIR-016
Biotinylated Antibody Diluent	60 mL	E-ELIR-017
Sample Diluent	60 mL	E-ELIR-018
One-component TMB Substrate	50 mL	E-IR-R201
Plate Sealer	25 pieced	
Product Description	1 copy	

Note: All reagent bottle caps must be tightened to prevent evaporation and microbial pollution. The volume of reagents in partial shipments is a little more than the volume marked on the label, please use accurate measuring equipment instead of directly pouring into the vial(s).

Recommended reagents:

HRP-conjugate Stabilizer (Cat No. E-ELIR-007),
Biotinylated Antibody Stabilizer (Cat No. E-ELIR-009)

Other supplies required

Microplate reader with 450 nm wavelength filter
High-precision transfer pipette, EP tubes and disposable pipette tips
Incubator capable of maintaining 37℃
Deionized or distilled water
Absorbent paper
Loading slot

Note

1) This kit can meet the requirements of 96T*5 ELISA test, please use as soon as possible after opening the package.
2) ELISA Plate Coating Buffer(5×), Wash Buffer for Sandwich-ELISA(25×) and Stop Solution(5×) should be diluted into working solution according to the instructions before use.
3) The amount of each well is subject to the actual demand, and the recommended amount is for reference only.
4) The Wash Buffer for Sandwich-ELISA(25×) taken from the refrigerator may have crystallization, which is a normal phenomenon. If there is crystal formation in the concentrate, warm it in a 40℃ water bath and mix it gently until the crystals have completely dissolved.
5) The main component of Substrate Reagent is 1M sulfuric acid solution, which is corrosive and should be protected during use.
6) TMB is sensitive to oxidant and can avoid pollution during use.
7) Do not use expired reagents.

Reagent description

Catalog No./Product name	**E-ELIR-013 ELISA Plate Coating Buffer(5×)**
Main Component	1xCBS
Description	5× coating buffer. For ELISA plate coating with antigen or antibody, can reduce the coating concentration for antigen or antibody significantly.
Method for use	Prepare the 1× working coating buffer with double distilled water. Use the working buffer to dilute the antigen or antibody to an appropriate concentration for coating. Plates were incubated overnight at 2-8℃ Dosage of coating buffer can be determined by end users depending on their own coating process.

Catalog No./Product name	**E-ELIR-014 ELISA Plate Blocking Buffer**
Main Component	1xPBS, protective protein
Description	Ready to use. For ELISA plate blocking after finishing the coating process.
Method for use	1. After ELISA plate coating process, add 150-300μL blocking buffer to each well for blocking. 2. The blocked plate can be used for further applications. 3. For future use, dry the blocked plate and put them to a bag with desiccant and seal up the bag, keep at 2-8℃.

Catalog No./Product name	**E-ELIR-015 Wash Buffer for Sandwich-ELISA (25×)**
Main Component	3%Tris
Description	25× wash buffer. For washing during ELISA assay. This wash buffer is suitable for sandwich-ELISA.
Method for use	Prepare the 1× working wash buffer with deionized water before use, discard the solution from each micro plate well, then add about 350μL working wash buffer to the wells, soak for 1-2 minutes, aspirate or decant the solution from each well and pat dry against clean absorbent paper.

Catalog No./Product name	**E-ELIR-012 Stop Solution (5×)**
Main Component	5% sulfuric acid
Description	5×stop solulon. To stop the color reaction in ELISA assay.
Method for use	Prepare the 1× stop solulon with deionized water before use. Add about 50 μl to each well for use.

Catalog No./Product name	**E-ELIR-016 HRP-conjugate Diluent**
Main Component	1xPBS, protective protein
Description	Ready to use. Use this diluent for HRP conjugate working solution preparation.
Method for use	Dilute the concentrated HRP conjugate to 1×HRP conjugate working solution by this product for ELISA assay.

Catalog No./Product name	**E-ELIR-017 Biotinylated Antibody Diluent**
Main Component	1xPBS, protective protein
Description	Ready to use. Use this diluent for biotinylated antibody working solution preparation.
Method for use	Dilute the concentrated biotinylated antibody to 1×biotinylated antibody working solution by this product for ELISA assay.

Catalog No./Product name	**E-ELIR-018 Sample Diluent**
Main Component	1xPBS, protective protein
Description	Ready to use. Use this diluent for sample dilutions, can reduce the matrix effect significantly.
Method for use	Dilute tested samples to an appropriate dilution for ELISA assay. Suitable sample types: serum, plasma, urine, saliva, tissue homogenate, cell lysate, cell culture supernatant etc.

Catalog No./Product name	**E-IR-R201 One-component TMB Substrate**
Main Component	3,3',5,5' - tetramethylbenzidine
Description	One component TMB is soluble substrate, which is used in ELISA system of horseradish peroxidase (HRP) as marker
Method for use	1. Add 100 μL of the TMB Substrate Solution to each microplate well. 2. Incubate for 5~30 min according to the reaction system. 3. Stop reaction by adding 50 uL stop solution 4. Measure the absorbance of each well at 450 nm.

Declaration

1. Limited by current conditions and scientific technology, we can't conduct comprehensive identification and analysis on all the raw material provided. So there might be some qualitative and technical risks for users using the kit.
2. The final experimental results will be closely related to the validity of products, operational skills of the operators, the experimental environments and so on. We are only responsible for the kit itself, but not for the samples consumed during the assay. The users should calculate the possible amount of the samples used in the whole test. Please reserve sufficient samples in advance.
3. To get the best results, please only use the reagents supplied by the manufacturer and strictly comply with the instructions.
4. The kit is designed for research use only, we will not be responsible for any issues if the kit is applied in clinical diagnosis or any other related procedures.