

hGH ADA ELISA Catalog EL-141-878

For the determination antibodies to hGH in serum and plasma.

Introduction

The AffinityImmuno hGH ADA ELISA kit contains the components required for measuring antibodies to hGH in biological matrices such as human serum, plasma or cell culture supernatant.

Principle of the assay

This assay employs the indirect enzyme immunoassay technique. hGH is coated onto a 96 well microplate. Calibrator and test samples prepared by dilution into assay buffer and are pipetted into the appropriate wells. Antibodies to hGH present in biological matrices are bound to the immobilized hGH. After washing away any unbound substances, antibodies antibody-enzyme reagent and a substrate solution is added to the wells for color development. The color development is proportional to the amount of antibodies to hGH present in test samples. The color development is stopped and the intensity of the color is measured.

Materials and storage

Store kit components at -20°C unless specified otherwise. DO NOT USE past kit expiration date. Some vials contain a small amount of reagents. Spin tubes on pulse setting prior to opening.

Each kit includes:	Count
Coated microtiter plate, 96 wells (1x8 strips)	1
Calibrator diluent	1.8 ml
Calibrator (1mg/mL)	12 µl
10X wash buffer	50 ml
Assay buffer	50ml
1000X detection reagent	17µl
TMB	12 ml
TMB stop solution	12 ml
Do not mix or substitute reagents with those from other lots.	

Materials and instruments required but not supplied

- Precision pipettes calibrated to deliver 5-1000µL
- Multi-channel pipette calibrated to deliver 50-200µL
- Plate shaker
- Disposable tips
- Vortex-Mixer
- Distilled or de-ionized water
- Microplate reader capable of reading 450nm with background subtraction at 620nm

Safety precautions

- The test protocol must be followed strictly.
- All reagents containing human material should be handled as if potentially infectious. Operators should wear gloves and protective clothing when handling any patient sera or serum based products.
- The kit reagents contain antimicrobial agents, acid and 3,3',5,5'-tetramethylbenzidine. Avoid contact with the skin and eyes. Rinse immediately with plenty of water if any contact occurs.
- Any liquid that has been brought into contact with potentially infectious material has to be discarded in a container with a disinfectant. Disposal must be performed in accordance with local regulations.
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- Only trained laboratory personnel should execute this test.

