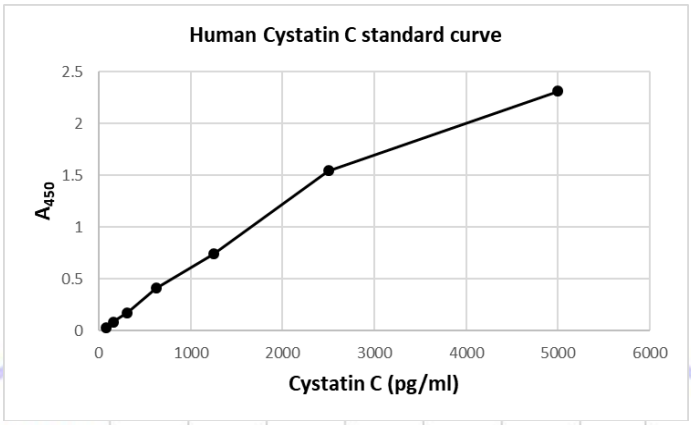
ALPHA DIAGNOSTIC INTERNATIONAL

Human Cystatin C ELISA Kit Cat# 1025

The Human Cystatin C ELISA Kit is a highly sensitive sandwich ELISA for the measurement of Human Cystatin C in serum, plasma, urine, culture supernatants, or other appropriately qualified matrices



Cystatin C (pg/ml)	0	78	156	312	625	1250	2500	5000
A450	0.023	0.053	0.11	0.199	0.434	0.763	1.57	2.337

Human Cystatin C ELISA Kit features

- Anti-Human Cystatin C antibody pre-coated, stabilized, ready-to-use 96-well breakable strip plate, suitable for multiple runs over 6-12 months.
- Native Human Cystatin C protein standard purified from urine
- **Assay length**: 3 hours, 15 mins. 3 incubation steps at room temperature.
- **Dynamic range**: 78-5000 pg/ml
- **Sensitivity** ~10 pg/ml
- **Storage:** 2-8ºC
- **Shelf life**: 6-12 months

Contains all necessary reagents. For in vitro research use only.

Assay Procedure: Allow all reagents to reach room temperature. Arrange and label required number of strips.

Step 1. Pipette 100 u**l** of appropriately diluted samples and calibrators into wells and incubate for 2 hours at room temperature.
Step 2. Wash the wells 3X with 300 ul of wash buffer for each well
Step 3. Add 100 ul of HRP conjugated detection antibody to each well and incubate for 1 hour at room temperature
Step 4 Wash the wells 3X with 300 ul of wash buffer for each well
Step 5. Add 100 ul of TMB Substrate solution to all wells, mix gently, and incubate at room temperature for 15 min**.**
Step 6. Pipette 100 ul of stop solution into each well and mix gently. Measure at 450 nm w/ 630 nm as a reference filter if available.

Performance Characteristics

Sensitivity: ~10 pg/ml
Average recovery: 84%
Average linearity: 105.1%
Precision: Intra-assay: <10% Inter-assay: <10%

Minimum recommended dilutions:
Serum & Plasma: 10-fold
Culture medium: 2-fold
Urine: 5-fold
Note: Minimum recommended dilution represents the dilution which is needed to eliminate matrix interference effects. All samples must be diluted to at least the minimum recommended ratio. Samples may be further diluted if the sample values fall within the standard curve, if sample volume is to be preserved, or if the sample value is above the highest OD on the standard curve

General Information

Cystatin C is an emerging renal biomarker. It is used for the diagnosis of chronic kidney disease. Cystatin C has also been associated with an increased risk of cardiovascular disease and heart failure

Related Items

Catalog#	Description
1005	Human Lipocalin-2/NGAL ELISA Kit
1015	Human KIM-1/TIM-1 ELISA Kit

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