

CYSTATIN C

Chronic kidney disease (CKD)

Acute kidney injury (AKI)

Cystatin C

Clinical category: Renal diseases

Clinical applications

- Diagnosis of kidney diseases

Characteristics

	Cystatin C
Sample	serum (13 µl)
Measuring range*	175–2 800 ng/ml (0.175–2.80 mg/l)
Limit of quantification	5.0 ng/ml (0.005 mg/l)
Assay time	15 min

* with the dilution factor



The kits are CE-IVD certified
and intended for professional use.

Designed for the platform

Kleey^{*}a[®]

Cystatin C is a more sensitive marker of kidney function than creatinine in detecting early-stage kidney dysfunction, particularly in situations where creatinine levels are in the “blind range”. Unlike creatinine, cystatin C is independent of age, sex, and muscle mass. In clinical settings, cystatin C is mainly used to calculate eGFR.

Cystatin C should be used especially in the following situations:

- In patients who do not have adequate muscle mass relative to their age, sex, and race.
- To confirm chronic kidney disease: eGFR < 1.0 mL . s⁻¹ . 1.73 m⁻², particularly when markers of kidney damage are not present.
- In conditions where serum creatinine concentration is significantly affected (pregnant women, generalized edema, young children - especially under 2 years of age, rapid changes in condition, etc.).

In the KDIGO 2012 guidelines, the equation for the eGFR calculation for cystatin C or the combined equation using creatinine and cystatin C are recommended.

CLIA Cystatin C is an automated chemiluminescent immunoassay. The kit is metrologically linked to the certified reference material ERM DA-471/IFCC, which is a necessary condition for its use in calculating eGFR.

Ordering information

CLIA kits

<u>Kit</u>	<u>Catalogue number</u>	<u>Number of tests</u>
CLIA Cystatin C	CL-CysC100	100

Auxiliary

<u>Reagents</u>	<u>Catalogue number</u>	<u>Volume</u>
Dilution cartridge 1	CL-DIC1	4 x 10 ml

Contact us at
clia@biovendor.group

Control sets

<u>Control set</u>	<u>Catalogue number</u>	<u>Number of tests</u>
Control set CLIA Cystatin C	CL-CysCCON	2 x 20

CLIA kits are optimized and validated for the determination of cystatin C in human serum

or visit our website
clia.biovendor.group



OFFICIAL PRODUCER:



TestLine Clinical Diagnostics s.r.o.

Křižíkova 68
612 00 Brno
Czech Republic

ENIP0601S