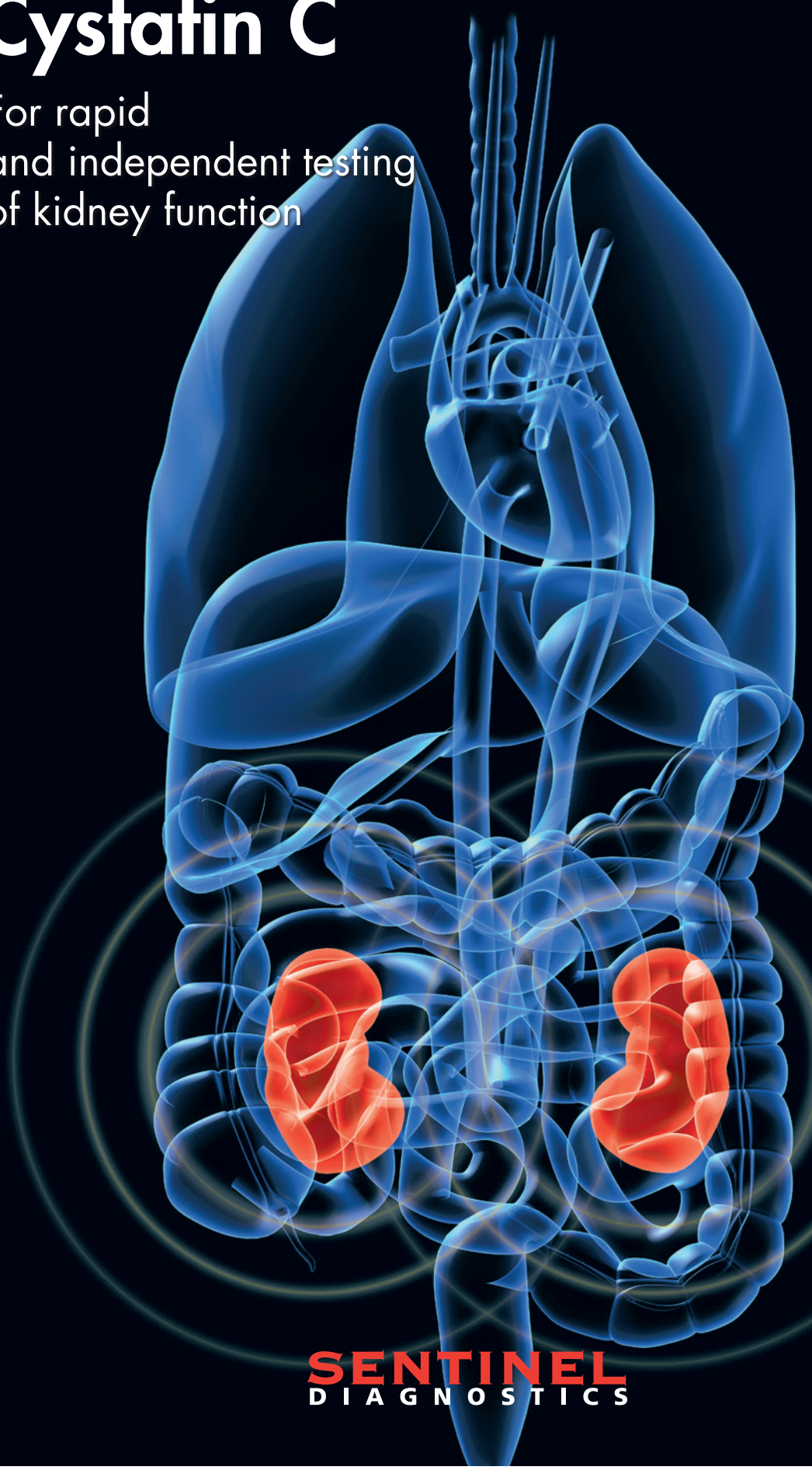
LAB

Cystatin C

For rapid
and independent testing
of kidney function



SENTINEL
DIAGNOSTICS

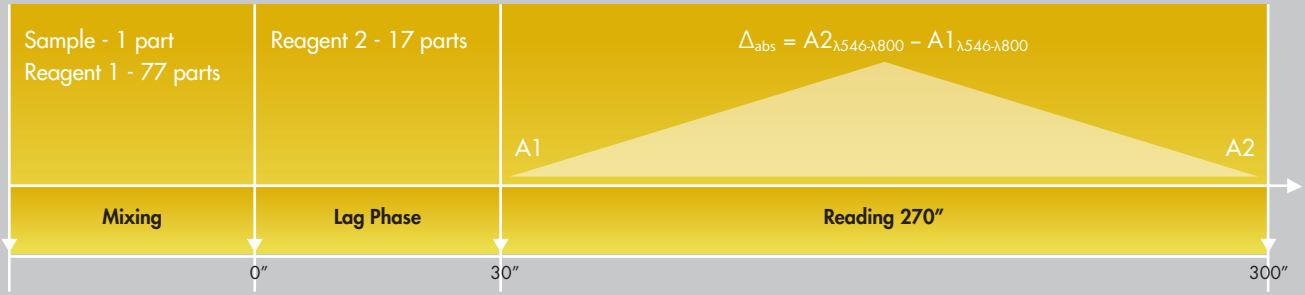
LAB

Cystatin C

The method

The use of PETIA (Particle-Enhanced Turbidimetric ImmunoAssay) technology allows for an accurate and reproducible quantitative measurement of Cystatin C in serum and plasma.
The latex particles coated with antibodies against human Cystatin C, when mixed with a sample containing human Cystatin C, develop an agglutination reaction with a variation in absorbance due to the formation of an immunocomplex which is proportional to the concentration of human Cystatin C present in the sample.

Analytical Procedure



Analytical advantages

- Ready to use liquid reagent
- 18 months stability from date of manufacture
- Reagent onboard stability: 45 days
- Calibration onboard stability: 45 days
- Sensitivity 0.05 mg/L
- Wide measuring range from 0.05 mg/L up to 10.0 mg/L
- No prozone effect up to 40 mg/dL
- Applications for the most commonly used automated analyzers available upon request
- Withstands endogenous interference
- Complete evaluation of drug interference (FDA, EP7-A2 protocol)

Clinical advantages

- Standardization against ERM-DA-471/IFCC
- Commutability of most important clinical studies
- Reference intervals based on 259 adult individuals (CLSI, C28-A2)
- eGFR (Glomerular Filtration Rate) formula on 4258 patients over 18 years old vs. GFRiohexol
- eGFR (Glomerular Filtration Rate) formula on 702 patients under 18 years old vs. GFRiohexol
- eGFR = 130 x cystatin $C^{-1.069}$ x $age^{-0.117}$ – 7
  DOI: 10.1373/CLINCHEM.2013.220707

Ref.	Description	Kit Size
11510A	Cystatin C	R1: 1x46 mL; R2: 1x13 mL
11527S	Cystatin C Calibrator	1x1 mL
11527C	Cystatin C Control Set	2x(1x1) mL

Sentinel CH. SpA
Via Robert Koch, 2
20152 Milan - Italy
Phone: +39 02 3455141
Fax: +39 02 34551464
sentinel@sentinel.it
www.sentineldiagnostics.com

CE
IVD

SENTINEL DIAGNOSTICS

WATCHING OVER LIFE