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Specification

Product: **Creatinine plus ver.2
(CREP2)**

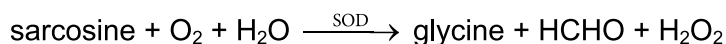
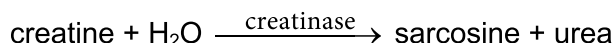
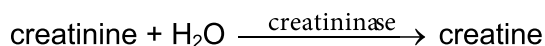
Catalog No. 03263991190

Intended use:

In vitro test for the quantitative determination of the creatinine concentration in human serum, plasma, and urine on COBAS INTEGRA and Roche/Hitachi cobas c systems.

Test principle:

This enzymatic method is based on the conversion of creatinine with the aid of creatininase, creatinase, and sarcosine oxidase to glycine, formaldehyde and hydrogen peroxide. Catalyzed by peroxidase the liberated hydrogen peroxide reacts with 4-aminophenazone and HTIB^{a)} to form a quinone imine chromogen. The color intensity of the quinone imine chromogen formed is directly proportional to the creatinine concentration in the reaction mixture.



Creatine of the sample is destroyed by creatinase, SOD and catalase during incubation in R1.

a) 2,4,6-triiodo-3-hydroxybenzoic acid

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1. Reagents-working solutions:

1.1 Buffer/enzyme/HTIB solution (B):

1.1.1 pH-value (25 °C): 8.00 - 8.20

1.2 POD/4-AAP solution (C):

1.2.1 pH-value (25 °C): 7.90 - 8.10

2. Performance test:

2.1 Recovery on COBAS INTEGRA analyzer(s):

PreciControl ClinChem Multi 1 (Cat. No. 05947626190): 90 - 110 %

PreciControl ClinChem Multi 2 (Cat. No. 05947774190): 90 - 110 %

2.2 Recovery on Roche/Hitachi cobas c analyzer(s):

PreciControl ClinChem Multi 1 (Cat. No. 05947626190): 90 - 110 %

PreciControl ClinChem Multi 2 (Cat. No. 05947774190): 90 - 110 %

Also required:

Calibrator f.a.s. (Cat. No. 10759350190)