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Electronic Signatures:

Signed By: maschac1 (Cordula Maschat {DOMCSD})
Role: Reviewer
Signature Differentiation: Quality Control
Signed Date: 08-Apr-2020 08:12:18 (UTC)

Signed By: byrnesh (Helga Byrnes {DOMC})
Role: Approver
Signature Differentiation: Quality Control
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Specification

Product: **Alanine Aminotransferase acc. to IFCC
without pyridoxal phosphate activation
(ALT)**

Catalog No. 05850797190

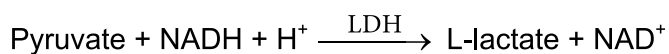
Intended use:

In vitro test for the quantitative determination of alanine aminotransferase (ALT) in human serum and plasma on Roche/Hitachi cobas c systems.

Test principle:

This assay follows the recommendations of the IFCC, but was optimized for performance and stability.

ALT catalyzes the reaction between L-alanine and 2-oxoglutarate. The pyruvate formed is reduced by NADH in a reaction catalyzed by lactate dehydrogenase (LDH) to form L-lactate and NAD⁺.



The rate of the NADH oxidation is directly proportional to the catalytic ALT activity. It is determined by measuring the decrease in absorbance.

**Roche Diagnostics GmbH
Quality Control Mannheim**

Sandhofer Strasse 116
D-68305 Mannheim
Phone +49-621-759-0

1. Reagents-working solutions:

1.1 Buffer/L-alanine/enzyme solution (B):

1.1.1 pH-value (25 °C): 7.40 - 7.80

1.2 NADH/2-oxoglutarate solution (C):

1.2.1 pH-value (25 °C): 10.00 - 10.40

2. Performance test:

2.1 Recovery on 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)