



## Document Information:

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## Specification

Product: **Alkaline phosphatase acc. to IFCC Gen.2  
(ALP2)**

Catalog No. **05166888190**  
05166888214

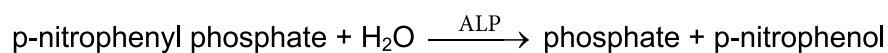
### Intended use:

In vitro test for the quantitative determination of alkaline phosphatase in human serum and plasma on Roche/Hitachi cobas c systems.

### Test principle:

Colorimetric assay in accordance with a standardized method.

In the presence of magnesium and zinc ions, p-nitrophenyl phosphate is cleaved by phosphatases into phosphate and p-nitrophenol.



The p-nitrophenol released is directly proportional to the catalytic ALP activity. It is determined by measuring the increase in absorbance.

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## 1. Reagents-working solutions:

### 1.1 Activator solution (B):

1.1.1 pH-value (30 °C): 10.39 - 10.49

### 1.2 p-Nitrophenyl phosphate solution (C):

1.2.1 pH-value (25 °C): 8.40 - 8.60

## 2. Performance test:

### 2.1 Recovery on Roche/Hitachi cobas c 701/702 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)