



## Document Information:

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Role: Approver  
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## Specification

Product: **Calcium Gen.2  
(CA2)**

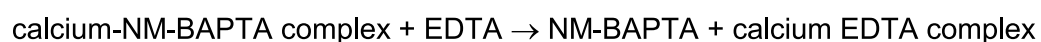
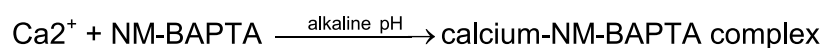
Catalog No. 05168449190  
05168449214

### Intended use:

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

### Test principle:

Calcium ions react with 5-nitro-5'-methyl-BAPTA (NM-BAPTA) under alkaline conditions to form a complex. This complex reacts in the second step with EDTA.



The change in absorbance is directly proportional to the calcium concentration and is measured photometrically.

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## 1. Reagents-working solutions:

### 1.1. Chromogen solution (B):

1.1.1 pH-value (25 °C): 9.9 - 10.1

### 1.2 EDTA solution (C):

1.2.1 pH-value (25 °C): 7.0 - 7.6

## 2. Performance test:

### 2.1 Recovery on Roche/Hitachi cobas c 701/702 analyzer(s):

PreciControl ClinChem Multi 1 (Cat. No. 05947626190): 95 - 105 %

PreciControl ClinChem Multi 2 (Cat. No. 05947774190): 95 - 105 %

#### Also required:

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