

# cobas c 311 analyzer

Addendum 2.0 to User Documentation, Version 3.2

Software version 01-13

**UDI** (01)07613336188644(8012)01-13



## Publication information

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1.0	01-13	2021-08	<ul style="list-style-type: none"> <li>Information on language packs and current software version added.</li> </ul>
2.0	01-13	2023-07	<ul style="list-style-type: none"> <li>Updated information on Criteria of ISE check report, 1-point calibration and arrived Date/Time description.</li> <li>Update applicable to the following documents:               <ul style="list-style-type: none"> <li>Operator's Manual V3.2</li> <li>Complete User Documentation V3.2</li> <li>Compendium of Background Information V1.3</li> </ul> </li> </ul>

### ☰ Revision history

#### Edition notice

This addendum contains supplementary information for users of the **cobas c** 311 analyzer.

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## Contact addresses

### Inside the European Union and EFTA member states



Manufacturer of the instrument  
Hitachi High-Tech Corporation  
1-17-1 Toranomom, Minato-ku,  
Tokyo, 105-6409  
Japan



Authorized representative and Importer  
Roche Diagnostics GmbH  
Sandhofer Strasse 116  
68305 Mannheim  
Germany

### Outside the European Union and EFTA member states

Manufactured by: Hitachi High-Tech Corporation

Manufactured for: Roche Diagnostics GmbH  
Sandhofer Strasse 116  
68305 Mannheim  
Germany

Distributed in USA by: Roche Diagnostics  
9115 Hague Road Indianapolis,  
Indiana, USA

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# To perform an ISE check

The step 8 in the Maintenance procedure **To perform an ISE check** is revised to remove any reference to Ref -7 to 7mV.

## Previous step 8

Check if any EMF values of the internal standard solutions are abnormal:

- The difference in successive values for the same electrode should be stable within  $\pm 0.2$  mV.
- Normal IS EMF values lie between NA: -10 to -90 mV, K -10 to -90 mV and Cl 80–160 mV, Ref -7 to 7 mV.
- The maximum deviation for Ref EMF over all values should be no more than  $\pm 2$  mV.

Step result: If an EMF value is abnormal (level error or noise error for example), the corresponding alarm name is printed.

## Revised step 8

Check if any EMF values of the internal standard solutions are abnormal:

- The difference in successive values for the same electrode should be stable within  $\pm 0.2$  mV.
- Normal IS EMF values lie between NA: -10 to -90 mV, K -10 to -90 mV and Cl 80–160 mV.
- The maximum deviation for Ref EMF over all values should be no more than  $\pm 2$  mV.

Step result: If an EMF value is abnormal (level error or noise error for example), the corresponding alarm name is printed.

## One-point calibration revised as IS measurement

### Term revision

In the cobas c 311 analyzer, *Compendium of Background Information*, in the sections ISE unit - Ion selective electrode principles > Introduction and ISE unit - Ion selective electrode calibration > One-point calibration, the term **one-point calibration** is revised as **IS measurement**. The term is only revised in the context of ISE and not in the context of photometric test.



The term revision is applicable to the Table of Content and Index term as well.

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Previous paragraph in ISE unit - Ion selective electrode principles > Introduction

A one-point calibration before and after each routine sample measurement is used to offset the drift between consecutive measurements. For this one-point calibration the internal standard (IS) is used.

### Revised paragraph

An IS measurement calibration before and after each routine sample measurement is used to offset the drift between consecutive measurements. For this IS measurement the internal standard (IS) is used.

**Previous section title in** ISE unit - Ion selective electrode calibration > One-point calibration

One-point calibration

### Revised section title

IS measurement

# Arrived Date/Time description

Description of the **Arrived Date/Time** column revised in the section: Software description > Workplace menu > Data Review screen > Sample selection list > Arrived Date/Time.

## **Previous sentence in Arrived Date/Time**

Choose this tab to sort the sample selection list by the date and time the samples results were registered by the analyzer.

## **Revised sentence in Arrived Date/Time**

Choose this tab to sort the sample selection list by the date and time the samples were registered by the analyzer and scheduled for analysis.

