

# REF Electrode

## ISE Reference Electrode

### Order information

REF	CONTENT	Analyzer(s) on which the electrode can be used
03149501001	REF Electrode 1 (electrode)	<b>cobas c 311</b> analyzer <b>cobas 6000</b> analyzer series: <b>cobas c 501</b> module <b>cobas 8000</b> modular analyzer series: <b>cobas 8000</b> ISE 900 / 1800 module <b>cobas pure</b> integrated solutions: <b>cobas c 303</b> analytical unit <b>cobas pro</b> integrated solutions: <b>cobas pro</b> ISE analytical unit, <b>cobas</b> ISE neo 900 analytical unit, <b>cobas</b> ISE neo 1800 analytical unit

### English

#### Intended use

The REF Electrode is intended for closing the measurement circuit for the quantitative determination of sodium, potassium, and chloride in human origin serum, plasma or urine.

#### Precautions and warnings

For in vitro diagnostic use for trained laboratory technicians.

#### Warning

- Samples containing material of human origin are potentially infectious. Wear personal protective equipment when replacing or installing electrodes at analyzers. If any biohazardous material is spilled, wipe it up immediately and apply a disinfectant.
- If sample or waste contacts with your skin, wash the affected area immediately with soap and water, then apply a disinfectant. Consult a physician.
- When disposing of used electrodes, treat them as biohazardous.

#### Caution

- Do not use electrodes after the shelf life or on-board stability period has expired. Otherwise, it may lead to unstable sodium, potassium, and chloride results due to the unstable potential reading of electrodes.

**NOTE:** Boric acid (CAS Registry No. 10043-35-3) is contained in the gel solution inside the electrode at 0.2 % of the total weight as a preservative.

#### Storage and stability

Store electrodes at 7-40 °C.

See labels for expiration dates.

#### On-board stability

After installation, the electrode is stable for the following time period: 6 months

The electrodes should be replaced after this time period has expired. For replacement refer to instructions in the operator's manual of the applicable analyzers.

**NOTE:** When replacing the electrode in **cobas pro** or **cobas pure**, the user should scan the barcode affixed on the rear side of the package instead of the barcode placed on the product's label.

#### Materials provided

See "Order information" section

#### Materials required (but not provided)

See "Order information" section

General laboratory equipment

#### References

A point (period/stop) is always used in this Method Sheet as the decimal separator to mark the border between the integral and the fractional parts of a decimal numeral. Separators for thousands are not used.

Any serious incident that has occurred in relation to the device shall be reported to the manufacturer and the competent authority of the Member State in which the user and/or the patient is established.

#### Symbols

Roche Diagnostics uses the following symbols and signs in addition to those listed in the ISO 15223-1 standard (for USA: see [navifyportal.roche.com](http://navifyportal.roche.com) for definition of symbols used):

Cont.

Quantity contained in the package

CONTENT

Quantity contained in the package

GTIN

Global Trade Item Number

INSTALL  
BEFORE

Latest date by which the electrode has to be installed on the analyzer

RoHS

Directive for the restriction of the use of certain hazardous substances in electrical and electronic equipment

#### FOR US CUSTOMERS ONLY: LIMITED WARRANTY

Roche Diagnostics warrants that this product will meet the specifications stated in the labeling when used in accordance with such labeling and will be free from defects in material and workmanship until the expiration date printed on the label. THIS LIMITED WARRANTY IS IN LIEU OF ANY OTHER WARRANTY, EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR PARTICULAR PURPOSE. IN NO EVENT SHALL ROCHE DIAGNOSTICS BE LIABLE FOR INCIDENTAL, INDIRECT, SPECIAL OR CONSEQUENTIAL DAMAGES.

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Roche Diagnostics GmbH, Sandhofer Strasse 116, D-68305 Mannheim  
[www.roche.com](http://www.roche.com)

+800 5505 6606



Distribution in USA by:  
Roche Diagnostics, Indianapolis, IN  
US Customer Technical Support 1-800-428-2336