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**SUBJECT** **BQA New User's Manual**



**We would like to inform you that there is already available the new User's Manual for our BQA instrument.**

**The new version is OM-E5802-9, Jan, 24, 2005.**

**Find attached the Revision Record.**

**To receive it you should contact [biokit@biokit.com](mailto:biokit@biokit.com)**

**Please, do not hesitate to contact us if you need further details.**

Original issue: May 31, 2002  
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## **REVISION RECORD**

The latest edition supercedes any preceding ones. If you have old editions, discard them to avoid possible confusion.

REV	DATE	REVISION HIGHLIGHT
0	May 31/2002	Published as Technical Information.
1	Aug 22/2002	-Chapter 1: Added explanation of "1.2.12 Liquid level sensor unit for external tank". Modified description of "1.4.2 Menu structure". -Chapter 2: Added explanation of "2.1.2 Preparation of external tank solutions" and "Automatic preparation mode in advance of measurement" in "2.1.3 Power-on". Modified explanation of "2.5 Setting of measurement conditions", "2.7 Initiation of measurement and monitoring" and "2.8 Addition of Sample". Added explanation of "2.10.2 Examples of printout". Modified explanation of "2.11.1 Graphic display [Graph (F9)]", "2.11.2 Measurement result of QC" and "2.11.3 Setting for graphic display". -Chapter 3: Modified explanation of "3.6.2 System parameters", "3.6.3 Operation of floppy disk" and 3.6.4 Entry of ISE parameters". -Chapter 4: Modified explanation of "4.7 Maintenance picture". -Chapter 5: Added explanation of "5.2.3 ISE Unit error".
2	Sep 27/2002	-Chapter 2: Modified explanation of "2.3.5 Condition of judgment criteria and measuring conditions" and "2.10 Reproduction of measurement result". Added example of calibration result printout in "2.10.2 Examples of printout". Added explanation of the judgment priority for "2.11.2 Measurement result of QC".
3	Oct 30/2002	-Chapter 4: Deleted the procedure of "4.9.2 Exchange of stirrer (Mix-1/Mix-2).
4	Nov 29/2002	-Chapter 2: Modified description of "2.6.3 Types of bar code labels", "2.10.1 Output of time course data" and "2.11.3 Setting for graphic display." -Chapter 3: Changed the picture on page-3-3and 3-5.
5	Jan 31/2003	-Chapter 2: Modified explanation of "2.3 Calibration measurement" and picture of [Calibration (F9)] and [Checks (F10)] of [Run Monitor (F5)]. Modified explanation of "2.4 Test selection" and picture of [Test Selection (F10)]. Modified explanation of "2.5 Setting of measurement conditions" and picture of [Condition (F12)] of [Run Monitor (F5)]. Modified explanation of "2.7 Initiation of measurement and monitoring" and picture of [Run Monitor (F9)] of [Run Monitor (F5)]. Modified explanation of "2.8 Addition of sample". Modified explanation of "2.11 Quality control" and picture of graph so that ISE quality control procedure is added. -Chapter 5: Being filled explanation for blank columns of error list. Added ISE error codes and troubleshooting list.
6	June 09/2003	Contents are made overall review to match with the software version (PC:2550187105 and Mechanical:2550164119).

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REV	DATE	REVISION HIGHLIGHT
7	Sep. 08/2003	<p>-Chapter 1: Added the description on "Easy start of measurement".  Added the description on the cancellation of alarm sound.</p> <p>-Chapter 2: Added the description on "Automatic ISE priming".  Added the description on the cuvette water placement before sleeping the analyzer.  Changed the significant digits of the reagent volume in the picture of reagent inventory.  Added a criterion for the prozone limit check.  Added the mask function in the test selection.  Become possible to select the no-handshake mode on the host communication.  Added the function to delete of retrieved results in the [Result (F12)] picture of [System Parameter].  Modified the print format in "2.10.2 Example of printout".</p> <p>-Chapter 3: Added the <u>Detail</u> button function for optional settings in the [System Parameter] picture.  Modified the description on the registration of reagent names and codes.  Changed the range of ISE calibration values.</p> <p>-Chapter 4: Changed the function of "Cuvette Water Placement" in the [Sequence (F9)] picture of [Maintenance].  Added the function of "SPT(S)" for SPT nozzle wash in the [Wash (F10) Page:1/2] picture in [Maintenance].  Added the procedure of putting silicon-oil for the exchange of syringe tip ("4.9.1 Exchange of Syringe tip").  Corrected the name of wash solution (Page 4-3, 4-4 and 4-20).  Modified the procedure of exchange of pipettes ("4.9.2 Exchange of Pipette (SPT/RPT)").  Added the exchange of ISE pump cassettes ("4.9.5 Exchange of Pump Cassettes").</p> <p>-Chapter 5: Added the function of deleting all alarm records from internal database.  Modified the explanation of alarm messages in the "5.2 Alarm messages".</p> <p>-Appendix: Added the chapter of appendix.  Appendix A: PC software upgrading procedure.  Appendix B: Supplement of ISE unit.</p> <p>-All section: Modified the description of footer through all pages</p>
8	Nov. 04/2003	<p>Contents are made overall review to match with the software version (PC:2550187106).</p>
9	Jan. 12/2005	<p>-Table of contents:  Added the pages of the table of contents.</p> <p>-System configuration and equipment list:  Modified the schema of system configuration and content of tool set.</p> <p>-Chapter 1: Added description of dummy volume for SPT/RPT in the "1.2.2 Sample pipette unit (SPT)" and "1.2.3 Reagent pipette unit (RPT)".</p> <p>-Chapter 2: Modified the procedure of "Sleep" selection. ("2.1.4 Power-off".)  Added the explanation of "2.3.2 Settings of calibrator concentrations".  Added the item of sample type selection in the test selection menu, in case of ASP with BCR, in the "2.4 Test Selection".  Added the inventory check process at start-up timing.  Added the warning flag of "CLT".  In the "Results (F12)" of "System Parameters" and "Measurement (F10)" of "QC (F8)", the representation of date is modified. (Year/Month/Day to Day/Month/Year)</p> <p>-Chapter 4: Added the warning flag of "CLT" in the "4.6.2 Measurement result error flags".</p>

		<p>Changed the criterion of "AB2" flag. ("4.6.2 Measurement result error flags".)</p> <p>Added the function of "Tubing wash" in the [Wash (F10), Page1/2] of [Maintenance]. ("4.7.1 Combined operation [Sequence (F9)]")</p> <p>Modified the representation of popup message for ISE cleaning function in the "Sequence (F9)" of job menu "Maintenance". (Bottle position is changed from #18 to #19.)</p> <p>Changed the size of screw for syringe fixing. ("4.9.1 Exchange of Syringe Tip")</p> <p>Changed the formation of SPT/RPT nozzle. ("4.9.2 Exchange of Pipette (SPT/RPT)")</p> <p>Changed the size of screw for halogen lamp case. ("4.9.3 Exchange of Halogen Lamp")</p> <p>Changed the form of container of Calibrant-A from bottle type to bag shape. ("4.9.5 Exchange of ISE Calibrant-A")</p> <p>-Chapter 5: Added the alarm messages. (E7075, E1780, E1781 and E1782)</p> <p>-Appendix-B: According to the changing the form of container of Calibrant-A, some pictures and explanations are modified.</p>
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