

ADVIA® 1800 Chemistry System
ADVIA® 2400 Chemistry System
ADVIA® Chemistry XPT

Gamma-Glutamyl Transferase (GGT) Reagent – Low End Imprecision

Our records indicate that your facility may have received the following product:

Table 1. ADVIA Chemistry Affected Product(s)

Assay	Test Code	Siemens Material Number (SMN)	Unique Device Identification (UDI)	Lot Number
Gamma-Glutamyl Transferase	GGT	10309495 (20 mL) 10316298 (70 mL)	00630414508344 00630414209753	All lots

Reason for Correction

Siemens Healthcare Diagnostics Inc. issued Urgent Medical Device Correction ACHC21-02.A.US.CHC in November 2020. Customers were informed that the ADVIA Chemistry GGT precision (%CV) may be outside of the IFU published ranges for samples between 27 – 42 U/L. Siemens had conducted a preliminary investigation to evaluate the precision of the GGT reagent using human serum pools. The preliminary data obtained supported a Repeatability and Within-Lab precision performance characteristic of $\leq 8\%$ CV at a GGT concentration of approximately 27 – 42 U/L.

The purpose of this communication is to provide updated investigation information and instructions on actions your laboratory must take with regard to this issue as it also involves U/u flags. This issue affects all current and subsequent lots of reagent. Not all wedges are impacted. Siemens is actively working to implement a resolution.

While the preliminary investigation supported a Repeatability and Within-Lab precision performance characteristic of $\leq 8\%$ CV at a GGT concentration of approximately 27 – 42 U/L, additional testing showed Within-Lab imprecision at $\leq 10\%$ CV. The additional testing showed that Repeatability precision remains at $\leq 8\%$ CV.

In addition, the Siemens investigation has confirmed an increase in the frequency of U/u flags as the reagent approaches the reagent lot expiration date. The “U” and “u” flags may be observed on the Reagent Blank (RBL), calibration, Quality Control (QC), and patient samples. As described in the Operator’s Guide, a U/u flag is indicative of an abnormal reaction absorbance.

Risk to Health

There is negligible potential for clinical impact due to the observed low-end imprecision or the presence of U/u flags. Siemens is not recommending a review of previously generated results.

Actions to be Taken by the Customer

- Please review this letter with your Medical Director
- Perform the instructions provided in “Additional Information”.
- Complete and return the Field Action Effectiveness Check Form attached to this letter within 30 days.
- If you have received any complaints of illness or adverse events associated with the products listed in Table 1, immediately contact your local Siemens Healthineers technical support representative.

Please retain this letter with your laboratory records and forward this letter to those who may have received this product.

We apologize for the inconvenience this situation may cause. If you have any questions, please contact your local Siemens Healthineers technical support representative.

Additional Information

To address imprecision:

- Review and apply the updated Within-Lab precision performance characteristic of $\leq 10\%$ CV at a GGT concentration of approximately 27 – 42 U/L.

To address U/u flags:

- Do not accept an RBL or calibration that contains a U/u flag in the ADVIA Chemistry XPT Calibration Results screen or ADVIA Chemistry XPT/1800/2400 RealTime Monitor screen.
- Do not report GGT patient sample results with U/u flags.
- Repeat the sample with a new wedge of the same or different lot number. If the repeated or diluted result is reproducible without a U/u flag, the result can be reported.
- If repeated calibration errors or U/u flags are observed on QC or patient samples with a new reagent wedge, contact your local Siemens Remote Services Center or your local Siemens technical support representative for further assistance.

ADVIA is a trademark of Siemens Healthcare Diagnostics Inc.

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FIELD ACTION EFFECTIVENESS CHECK

Gamma-Glutamyl Transferase (GGT) Reagent – Low End Imprecision

This response form is to confirm receipt of the enclosed Siemens Healthcare Diagnostics Urgent Field Safety Notice ACHC21-02.B.OUS.CHC dated April 2022 regarding Gamma-Glutamyl Transferase (GGT) Reagent – Low End Imprecision. Please read each question and indicate the appropriate answer.

Return this completed form to Siemens Healthcare Diagnostics as per the instructions provided at the bottom of this page.

1. I have read and understood the UFSN instructions provided in this letter.

Yes ☐

No ☐

Name of person completing questionnaire: _____

Title: _____

Institution: _____

Instrument Serial Number: _____

Street: _____

City: _____

State: _____

Phone: _____

Country: _____

Please send a scanned copy of the completed form via email to XXXX@XXXX

Or to fax this completed form to the Customer Care Center at XXXXXX

If you have any questions, contact your local Siemens Healthineers technical support representative.