



# QC INVESTIGATIONS

**Investigation of the rise and fall in reactivity  
of QConnect Blue (413301) data submitted  
by Participant 877 for the Siemens ADVIA  
Centaur HIV Ag/Ab Combo (CHIV) ChLIA**

[www.nrl.gov.au/QConnect](http://www.nrl.gov.au/QConnect)



**NRL is:**

- Accredited for compliance with ISO 17043, with NATA Accreditation Number 14253;
- A World Health Organisation (WHO) Collaborating Centre for Diagnostics and Laboratory Support for HIV and AIDS and Other Blood-borne Infections.

**Report prepared by Marina Karakaltsas**

**Authorised by Joe Vincini**

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4th Floor Healy Building  
41 Victoria Parade  
FITZROY VICTORIA 3065  
AUSTRALIA

T. +61 3 9418 1111  
F. +61 3 9418 1155  
[www.nrl.gov.au](http://www.nrl.gov.au)  
A.C.N. 004 705 640



## 1 Introduction

During a routine data review of the QConnect EDCNet database, data submitted by Participant 877 for QConnect Blue (413301) when tested in the Siemens ADVIA Centaur HIV Ag/Ab Combo assay appeared to rise and fall frequently over time.

## 2 Findings

Data submitted by Participant 877 for QConnect Blue (413301), kit positive and negative control all presented with a rise and fall in reactivity over time (Figures 1-3). This pattern of reactivity also appears when Participant 877 tests with QConnect Blue (402302) in the Siemens ADVIA Centaur HIV Ag/Ab Combo assay (Figure 4).

Data for QConnect Blue (413301) tested by Participant 877 in the assays; Siemens ADVIA Centaur HCV, Siemens ADVIA Centaur Anti-HBs2 and Siemens ADVIA Centaur HBsAgII did not show the same pattern of reactivity (Figures 5, 6 and 7).

## 3 Conclusion

Participant 877 informed the NRL that the highest result for QConnect Blue (413301) tested in the Siemens ADVIA Centaur HIV Ag/Ab Combo occurs when they calibrate the assay and then over a week or two the values drop until they recalibrate and the cycle begins again. NRL contacted the manufacturer to make a comment. The manufacturer asked for more information before making a statement.

## 4 Recommendations

NRL will recommend Participant 877 contact the assay manufacturer who will work with them to determine if there is a calibration problem with their assay.

NRL will investigate further with other participants' data to identify whether this phenomenon is occurring with other participants.

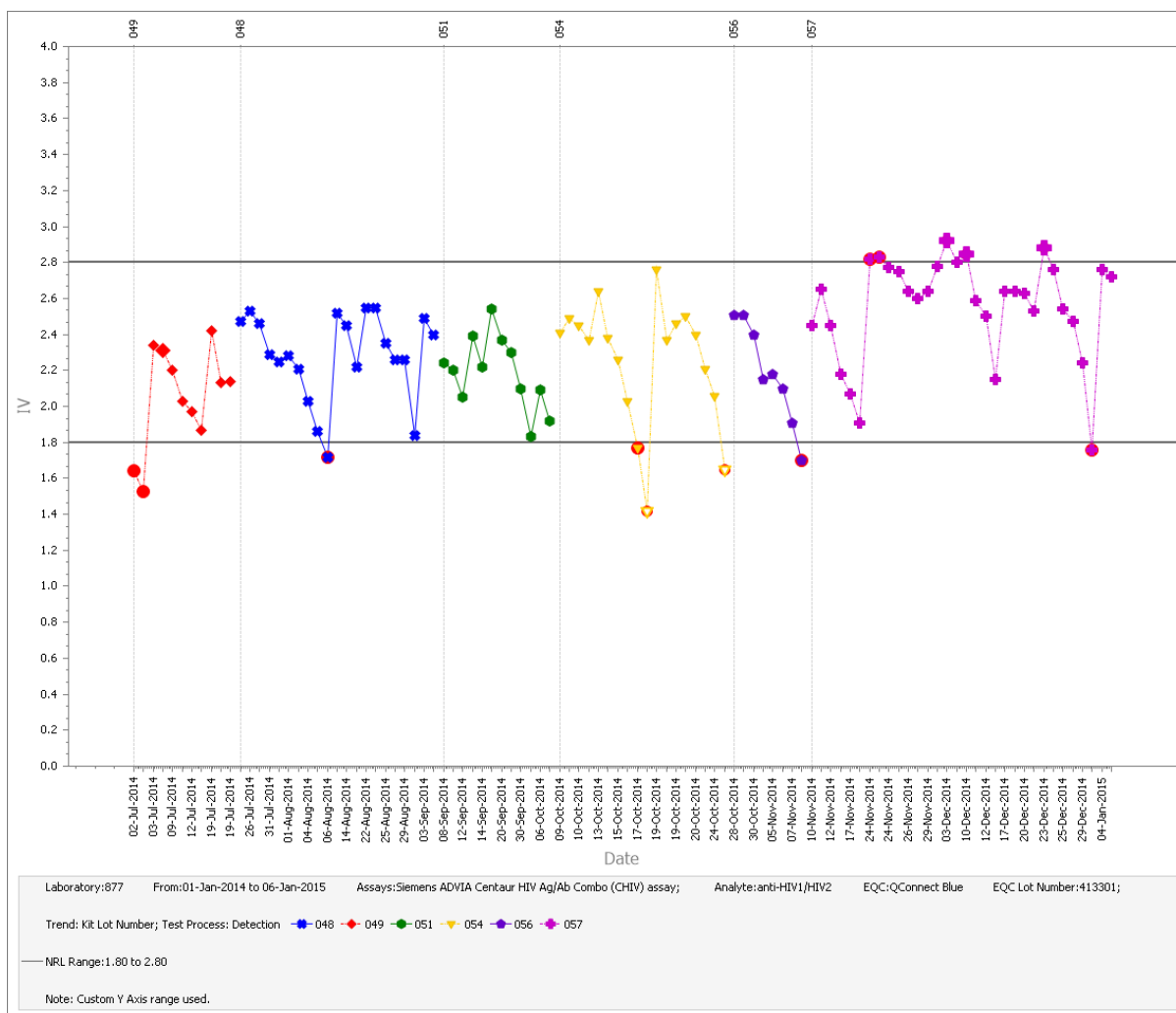


Figure 1

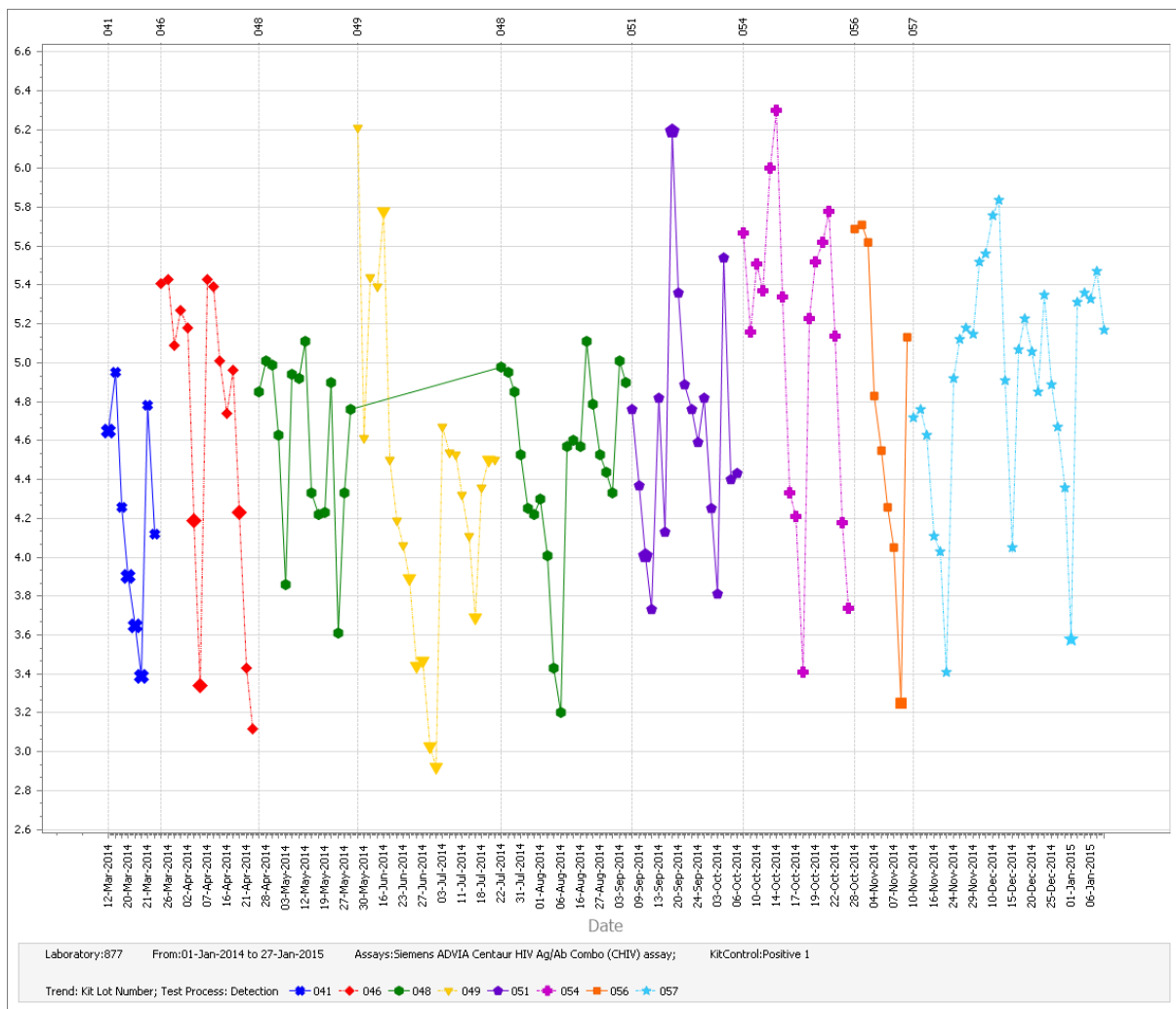


Figure 2

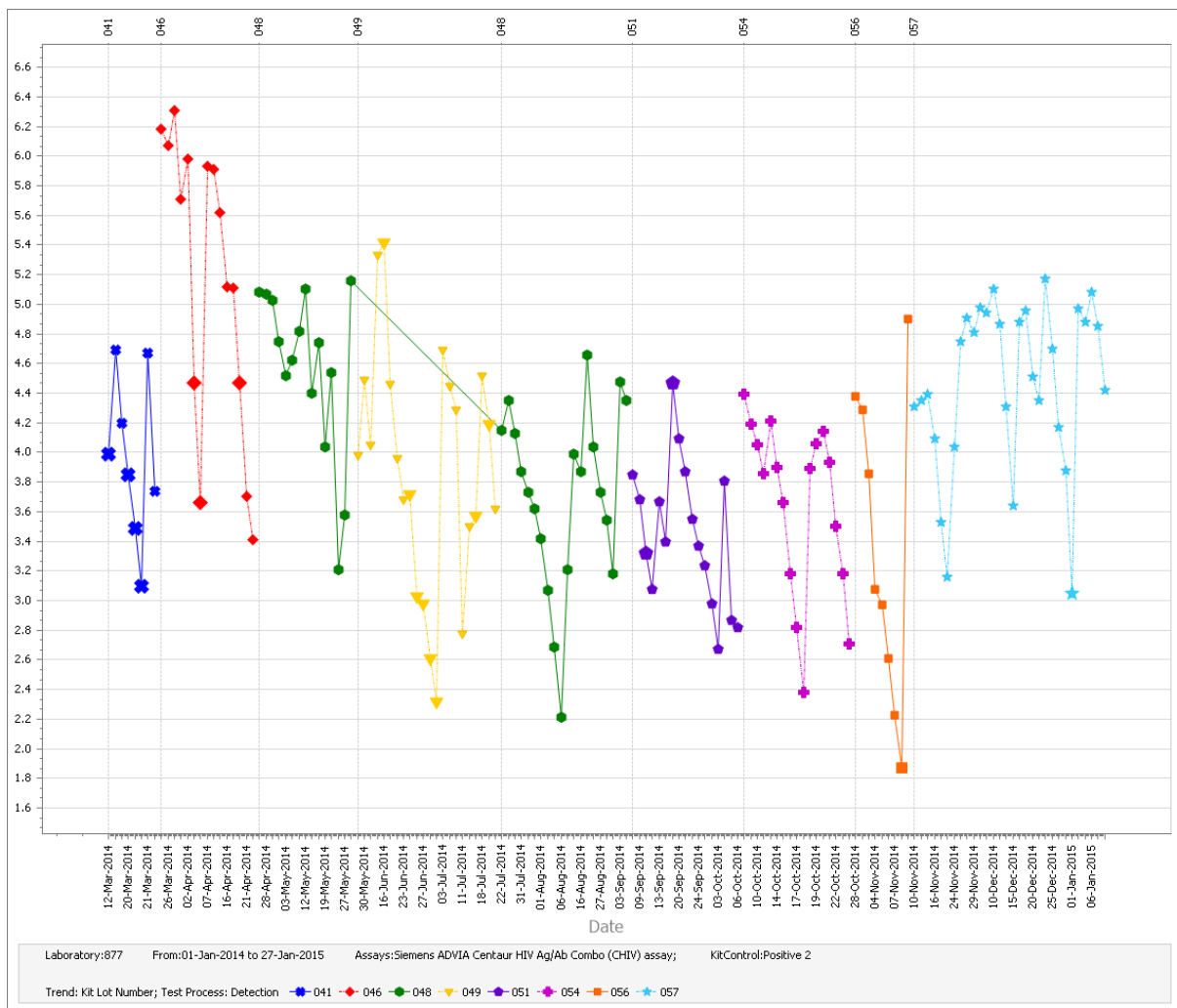


Figure 3

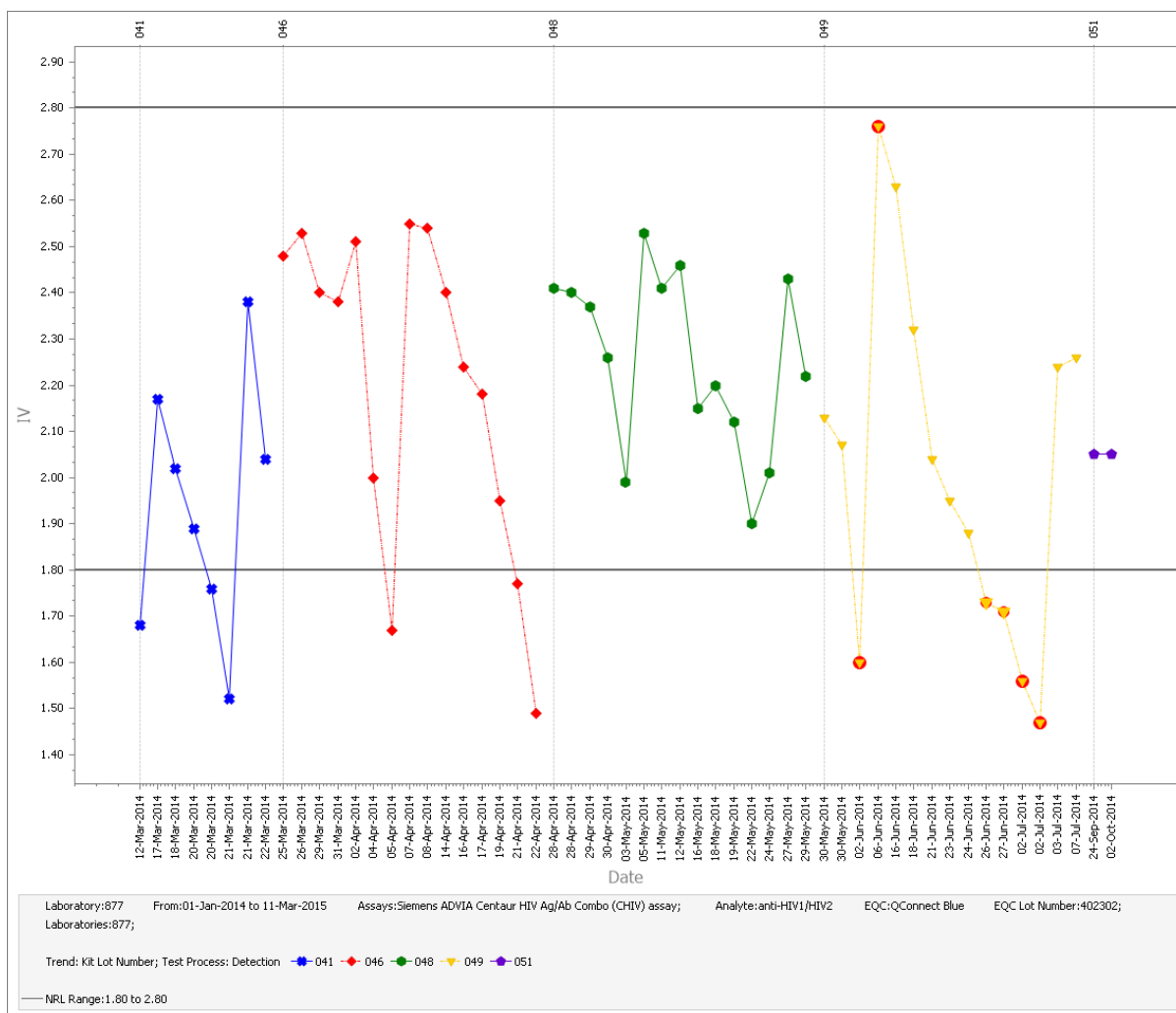


Figure 4

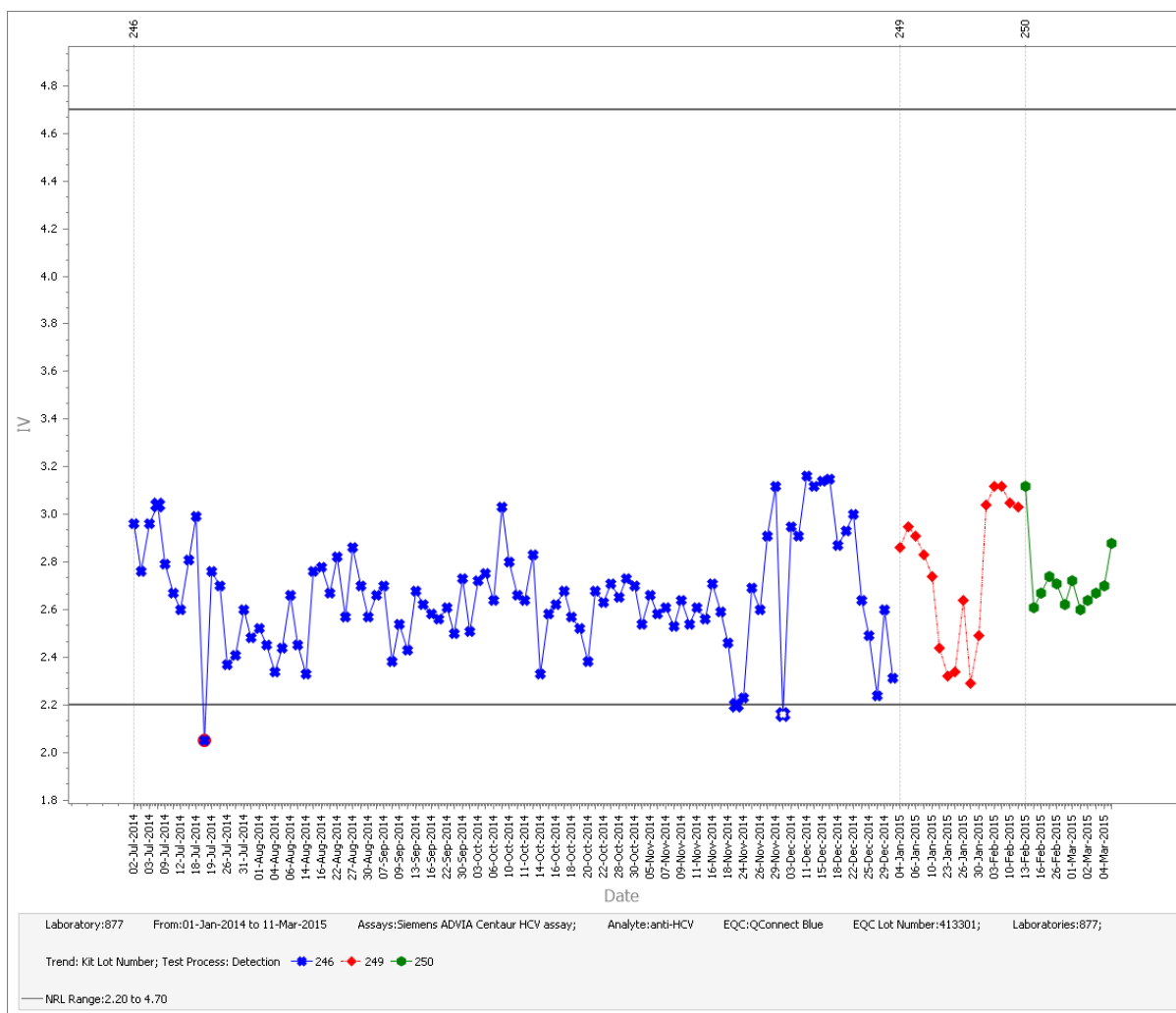


Figure 5



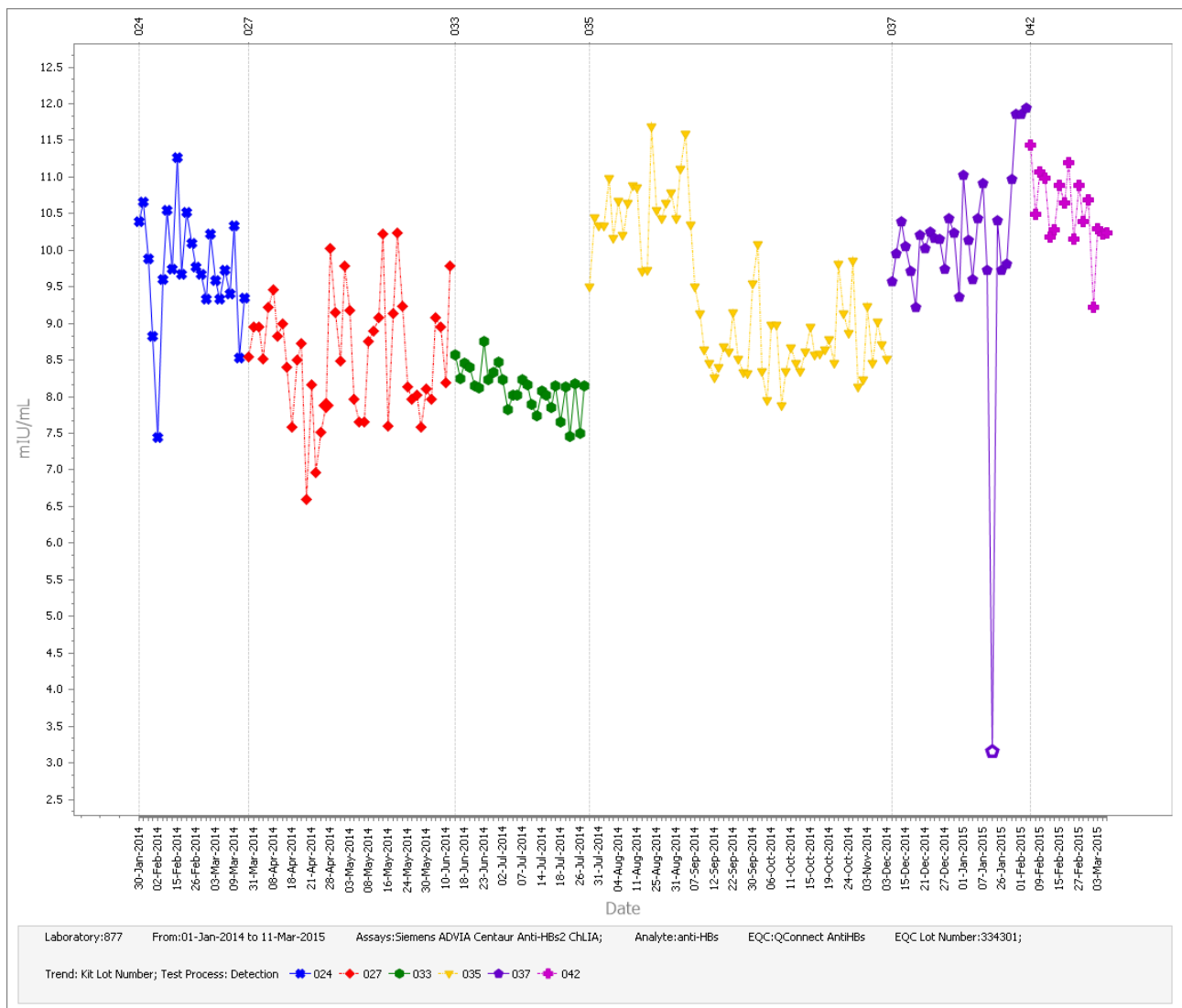


Figure 6

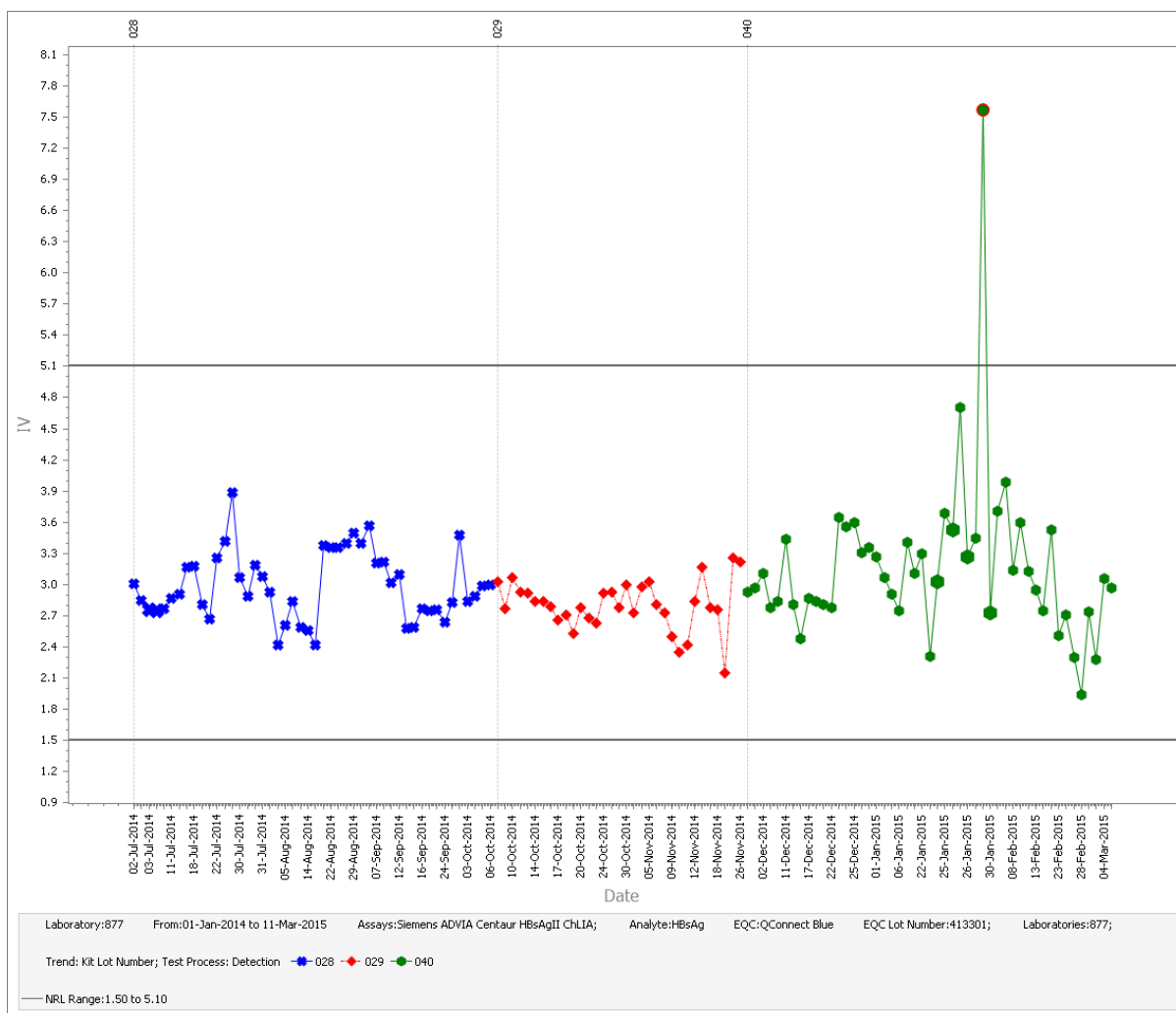


Figure 7

**Orders and Product Enquiries:**



e: [orders.anz@lifetech.com](mailto:orders.anz@lifetech.com)

p: 1800 636 327

w: [www.lifetechnologies.com](http://www.lifetechnologies.com)

**Technical Support:**



e: [qconnect@nrl.gov.au](mailto:qconnect@nrl.gov.au)

p: +61 3 9418 1112

w: [www.nrl.gov.au/QConnect](http://www.nrl.gov.au/QConnect)