

## Release Notes

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***Evidence Investigator Analyser  
Software Release Version 2.0.0  
July 2016***

**Issued by Randox Laboratories Ltd**

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## Release Features

*In response to operator feedback and in line with our policy of continuous improvement, the Evidence Investigator analyser software has been updated to bring additional functionality and enhancements identified since the last release.*

*Information relating to additional functionality has been incorporated into the Operator Manual where required and the manual has been updated and reissued.*

## Manuals and Manual Amendments

*As part of our environmental commitments, Randox are moving to increased use of electronic formats and updates to Operator Manuals are now distributed electronically as PDFs. An electronic copy (PDF) of the manual is included on the CD that accompanies these Release Notes.*

*Within the workplace, electronic documents bring more than environmental benefits, commonly these include:*

- *Fast searching of text*
- *Zoom in/out on text and images*
- *Decreased storage space requirements*
- *Copies of the manual may be installed to different PCs and used at the same time*
- *Fast updates can be made available*
- *Local prints of individual pages or the whole manual can be made if/when required.*

*Future amendments may be made to the Operator Manual to increase or enhance the information provided. Amended manuals will be distributed as complete PDFs together with a list of the changes allowing end users to either, replace the old version of the file with the new version or to self-print the required pages for incorporation into any hard copies they may hold.*

- *Instructions on how to complete the amendment will be included with each issue.*

*Where required, the manual is designed to be printed in the following format:*

- *Double sided*
- *Colour print*
- *A4 paper – this may be changed to US letter sized paper (or almost any other size) through use of the 'Fit' option shown in the settings of Print dialogue accessed from **File> Print**.*

**NOTE:** *Despite the many advantages of electronic documents we appreciate that some end users may require manufacturer produced, printed copies to be present in the workplace. If required, printed copies of the manual and any amendments may be requested from your Randox representative.*

## Software Update – Main Features

Experienced users of the Evidence Investigator analyser should not experience any difficulties in the operation of the software which is largely unchanged. The Version 2.0.0 software update brings the following enhancements:

| Feature | Update   |
|---------|--|
| 1       | <p><b>Evidence Investigator Analyser User Interface (UI)</b></p> <p>The UI has been given a refreshed look with improved, simplified navigation and improved user experience (<i>see Operator Manual section 2.7 Software Overview for further details</i>).</p>   |
| 2       | <p><b>Levey-Jennings Display</b></p> <p>The date range on the Levey-Jennings display in the UI has been increased from 60 days, to 180 days to enable QC data to be viewed over a longer date range on the QC display (<i>see Operator Manual section 4.6.2 for further details</i>)</p>   |
| 3       | <p><b>Enhanced System Checking</b></p> <p>To further protect the integrity of assay data, the software will NOT allow retrospective dates to be used, whether caused by system error or by user intervention.</p> <ul style="list-style-type: none"> <li>• Changes that amend the system to a previous date/time will result in a System Error and total '<b>Blue screen</b>' analyser lockout until the issue is resolved. Users must contact their Randox representative to investigate the issue and then unlock the analyser for use.</li> <li>• Changes that amend the format of the date will result in a System Error and total '<b>Orange screen</b>' analyser lockout until the issue is resolved. Corrections to the date format may be resolved by the user (<i>see Operator Manual section 7.2.3 for further details</i>).</li> </ul>  |
| 4       | <p><b>Printing the Worklist Sequence Input into the Sample Entry Menu</b></p> <p>The PRINT WORKLIST feature allows the operator to print the worklist sequence that has been entered into the sample entry screen. The report provides a summary of the sample and array details (<i>see Operator Manual section 3.6.14 for further details</i>).</p>  |
| 5       | <p><b>New/Updated Arrays</b></p> <p><b>InfiniPlex for Milk</b><br/>This is the most comprehensive multiplex array for the routine analysis of multi-class drug residues simultaneously, allowing the detection of Quinolones, Penicillins, Cephalosporins, Macrolides, Lincosamides, Aminoglycosides, Amphenicols, Diaminopyrimidines, Naphthalene ringed ansamycins, Tetracyclines, Polypeptides, Polymixins, Anti-inflammatories, Corticosteroids, Growth Promoters, Sulphonamides, Anti-parasitic drugs, Mycotoxins, Streptogramins, Melamine and Novobiocin in raw commingled cow milk. Results are reported qualitatively on a <i>positive / not detected</i> basis.</p> <p><b>Sepsis Multiplex</b><br/>The Sepsis array will offer rapid test times (particularly when compared to current test methods) allowing much earlier initiation of patient treatment with the correct antibiotic or anti-fungal drug.<br/>Testing of samples will be carried out on a qualitative (positive / negative) basis to identify blood borne pathogens.</p> |

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|                  | <p><b>Familial Hypercholesterolemia (FH) Array I</b> (update)<br/>Rapid detection of mutations within LDLR, ApoB and PCSK9 genes thereby enabling the possible diagnosis of this disease.</p> <p><b>Familial Hypercholesterolemia Array II</b> (update)<br/>Rapid detection of mutations within LDLR thereby enabling the possible diagnosis of this disease.</p> <p><b>KRAS/BRAF/PIK3CA Array</b> (update)<br/>The KRAS/BRAF/PIK3CA Array is intended for the rapid qualitative detection of point mutations within the genes KRAS, BRAF and PIK3CA from tissue DNA</p> <p><b>Respiratory Multiplex Array (I, II &amp; RMA Aus)</b> (update)<br/>Administrators now have access (if required) to change the Relative Light Unit (RLU) cut-off values applied to samples.</p> <p><b>STI Multiplex</b> (update)<br/>Assay processing and delivery of results updated to bring decreases in test time whilst increasing accuracy and clarity of output.<br/>In addition, Administrators now have access (if required) to change the Relative Light Unit (RLU) cut-off values applied to samples.</p> <p><b>Molecular Arrays</b><br/>Results displayed in a manner that gives greater emphasise and clarity between positive and negative assays.</p> |
| <p><b>6</b></p>  | <p><b>Communication Errors</b><br/>Updates to detect and alert the user to a loss of robotic and camera communication. The errors will then be stored to further facilitate troubleshooting.</p>   |
| <p><b>7</b></p>  | <p><b>Exported CSV Files</b><br/>Exported CSV file layouts have been standardised to include the date, time and Array and, where possible, to make their presentation more consistent.</p>   |
| <p><b>8</b></p>  | <p><b>Update to the EVReports.dll and Update to Archiving Report</b><br/>The layout of reports has been updated to bring them into line with the updated UI.</p>   |
| <p><b>9</b></p>  | <p><b>Administrator Account</b><br/>The restriction preventing Administrators from running samples has been removed. Administrators no longer need to login to their ‘user’ account to run samples. However, to provide traceability; if the Administrator wishes to run samples the Administrator username should, ideally, be changed to a personally identifiable name and the password should be changed to prevent access by other users who may have previously enjoyed unofficial administrator level access</p>  |
|                  | <p><b>NOTES:</b></p> <ol style="list-style-type: none"> <li>Users are reminded that all accounts should be personal to the individual user and that common access accounts could be perceived as a fraudulent working practice, particularly if audited or investigated by regulatory bodies.</li> <li>To create additional administrator accounts, Contact your Radox support provider.</li> </ol>  |
| <p><b>10</b></p> | <p><b>Archiving – Dilution Factor</b><br/>Version 2.0.0 software has been updated to correct the issue of the retrieval of archived samples which had a dilution factor applied. Once software has been updated, all historical samples can now be retrieved with the previously assigned dilution factor.</p>   |

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| <p><b>11</b></p> | <p><b>Worklist Renaming</b></p> <p>The ability to rename worklists has been removed from Version 2.0.0 software to prevent occurrences of inadvertent renaming of the wrong worklist and to provide more robust means of traceability.</p> <p>In Version 2.0.0 software, if the worklist name is incorrect it must be deleted and then recreated using the correct name.</p>  |
| <p><b>12</b></p> | <p><b>UK &amp; US Reporting Format</b></p> <p>Version 2.0.0 software has been updated to allow for the American US Page Size, upon installation, the printer page size which the operator would wish to use going forward for all report printouts can be selected.</p>   |
| <p><b>13</b></p> | <p><b>Open &amp; Close Door Functionality</b></p> <p>Version 2.0.0 software has been updated as a safety measure to prevent the accidental “Open Door” or “Close Door” scenario when an operator has accepted their samples into the system and clicks the “enter” key 3 times. The door on the accompanying Investigator analyser will now only open or close when the operator clicks on the <b>enabled</b> “Open Door” or “Close Door” button on the bottom right hand of the screen.</p>  |
| <p><b>14</b></p> | <p><b>Results Reprocessing</b></p> <p>Version 2.0 software has been updated to prevent extrapolated values being shown for results that fall above (i.e. outside) the calibration range.</p> <ul style="list-style-type: none"> <li>• All results that have a quantitative concentration <u>above</u> CAL 9 (x Dilution Factor) will generate a 6049 error code.</li> <li>• The result will be reported as ‘&gt; range’, where range represents the CAL 9 concentration multiplied by the dilution factor of the relevant sample preparation.</li> <li>• Please review the Error Codes section of the manual for additional information.</li> </ul> <p><b>NOTE:</b> If results obtained with previous software version included extrapolated values (i.e. showing a quantitative value above the CAL 9 concentration multiplied by the dilution factor) are recalculated with the new software version, they will now be reported as ‘&gt; range’ and a <b>6049</b> error code will be associated with that sample.</p> |

## Known Issues within the release of this software

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|-----------------|--|
| <p><b>1</b></p> | <p><b>Calibration Analytes Results Display</b></p> <p>Differences between UI Analyte Results display versus Calibration Curve and Calibration Values Report.</p> <p><b>Calibration History On-screen</b></p> <ul style="list-style-type: none"> <li>• The <b>Calibration Curve</b> displayed on-screen, highlights in <b>RED</b>, data points which have been removed from analysis.</li> <li>• The <b>Analyte Results</b> displayed on-screen, <b>does not</b> highlight values in red which have been removed from analysis (unless the point has an incorrect concentration of zero).</li> </ul> <p><b>Printed Calibration Reports</b></p> <ul style="list-style-type: none"> <li>• The Calibration <b>Values</b> report highlights in <b>RED</b>, data points which have been removed from analysis (in keeping with the Calibration Curve Display on-screen).</li> <li>• The Calibration <b>Graphs</b> report, highlights in <b>RED</b>, data points which have been removed from analysis (in keeping with the Calibration Curve Display on-screen).</li> </ul> <p>Therefore, a difference may be seen between the highlighted font colours for calibration values displayed on-screen and as displayed on printed calibration graphs and reports.</p> |
|-----------------|--|

| <b>2</b>                 | <p><b>Differences Between Graphical QC Chart and QC Report</b></p> <ul style="list-style-type: none"> <li>Do NOT choose a date prior to the date displayed on the PC for Cumulative mode. The Cumulative QC Graphical Chart displayed on screen, plots all QC points for the last 180 days up to the current date registered on the PC. It does NOT refresh the screen to display the Cumulative data for the date selected.</li> </ul> <p>The Cumulative 'Print QC Report' shall document all QC points for the last 180 days up to the date displayed in the QC 'Date Picker' field. Therefore, if the date displayed on the 'Date Picker' is NOT the current date as detected on the PC and Cumulative mode is selected, a difference may be noted between items listed in the Report and what is displayed on screen.</p>   |                |        |        |         |            |         |       |        |       |  |  |      |       |    |      |   |   |  |  |       |       |       |           |       |    |        |      |   |  |  |       |       |       |      |       |    |        |      |   |            |      |      |     |      |      |       |    |        |      |   |  |  |   |      |      |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |       |         |       |     |        |       |         |  |  |  |  |  |      |       |    |      |   |   |  |  |       |        |       |           |        |    |        |      |   |  |  |       |        |       |      |       |    |        |      |   |            |      |      |     |      |      |       |    |        |      |   |  |  |   |      |      |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |       |         |                |     |       |        |    |      |            |    |   |      |   |           |               |    |      |      |   |      |              |    |      |      |   |      |              |    |      |      |   |        |         |                |       |    |                          |      |            |   |   |                          |           |               |      |   |                          |      |              |      |   |                          |      |              |      |   |
|--------------------------|---|----------------|--------|--------|---------|------------|---------|-------|--------|-------|--|--|------|-------|----|------|---|---|--|--|-------|-------|-------|-----------|-------|----|--------|------|---|--|--|-------|-------|-------|------|-------|----|--------|------|---|------------|------|------|-----|------|------|-------|----|--------|------|---|--|--|---|------|------|--|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|--|-------|---------|-------|-----|--------|-------|---------|--|--|--|--|--|------|-------|----|------|---|---|--|--|-------|--------|-------|-----------|--------|----|--------|------|---|--|--|-------|--------|-------|------|-------|----|--------|------|---|------------|------|------|-----|------|------|-------|----|--------|------|---|--|--|---|------|------|--|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|--|-------|---------|----------------|-----|-------|--------|----|------|------------|----|---|------|---|-----------|---------------|----|------|------|---|------|--------------|----|------|------|---|------|--------------|----|------|------|---|--------|---------|----------------|-------|----|--------------------------|------|------------|---|---|--------------------------|-----------|---------------|------|---|--------------------------|------|--------------|------|---|--------------------------|------|--------------|------|---|
| <b>3</b>                 | <p><b>Archived Results &amp; Units of Reporting Output on Samples Which Read Below the Min Calibration Range</b></p> <p>This issue affects...</p> <ul style="list-style-type: none"> <li>Samples that are detected as lying below the minimum calibration range. where...</li> <li>The Minimum calibration range is greater than 0. and...</li> <li>Which belong to arrays with the ability to change the Unit of Reporting from a factor of 1 to another factor &lt;&gt; 1. and...</li> <li>The user is reviewing results from the 'Retrieve Archive Function'.</li> </ul> <p><b>Example Scenario:</b></p> <ul style="list-style-type: none"> <li>The Myoglobin analyte on the Cardiac Array, has an error code of 6048.</li> <li>The operator has generated a report using Result History screen.</li> <li>The on-screen report output would be displayed as shown below:</li> </ul> <p>Sample Code : 1 <span style="float: right;">Date : 10/13/2014 15:16:44</span></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Analyte</th> <th>Units</th> <th>RLU</th> <th>Result</th> <th>Error</th> <th>DFactor</th> <th></th> <th></th> <th></th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td>CKMB</td> <td>ng/ml</td> <td>30</td> <td>0.47</td> <td>0</td> <td>1</td> <td></td> <td></td> <td>ng/ml</td> <td>ng/ml</td> <td>ng/ml</td> </tr> <tr> <td>MYOGLOBIN</td> <td>ng/ml</td> <td>23</td> <td>&lt; 1.80</td> <td>6048</td> <td>1</td> <td></td> <td></td> <td>ng/ml</td> <td>ng/ml</td> <td>ng/ml</td> </tr> <tr> <td>FABP</td> <td>ng/ml</td> <td>26</td> <td>&lt; 0.15</td> <td>6048</td> <td>1</td> <td>SampleCode</td> <td>(DF)</td> <td>CKMB</td> <td>MYO</td> <td>FABP</td> </tr> <tr> <td>CTNI</td> <td>ng/ml</td> <td>36</td> <td>&lt; 0.18</td> <td>6048</td> <td>1</td> <td></td> <td></td> <td>1</td> <td>0.47</td> <td>&lt;1.8</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>&lt;0.15</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>&lt;0.18</td> </tr> </tbody> </table> <ul style="list-style-type: none"> <li>The operator creates an archived back up of the result.</li> <li>The operator has changed the original Unit of Reporting for the Myoglobin analyte (only) from ng/ml (factor of 1) to nmol/L (factor of 0.0571).</li> <li>The operator creates another report using the Result History Screen.</li> </ul> <p>Sample Code : 1 <span style="float: right;">Date : 10/13/2014 15:16:44</span></p> <table border="1" style="width: 100%; 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padding: 5px;"> <p>Sample Code: 1</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Analyte</th> <th>Result (units)</th> <th>RLU</th> <th>Error</th> <th>CutOff</th> <th>DF</th> </tr> </thead> <tbody> <tr> <td>CKMB</td> <td>0.47 ng/ml</td> <td>30</td> <td>0</td> <td>-NA-</td> <td>1</td> </tr> <tr> <td>MYOGLOBIN</td> <td>&lt; 1.80 nmol/L</td> <td>23</td> <td>6048</td> <td>-NA-</td> <td>1</td> </tr> <tr> <td>FABP</td> <td>&lt; 0.15 ng/ml</td> <td>26</td> <td>6048</td> <td>-NA-</td> <td>1</td> </tr> <tr> <td>CTNI</td> <td>&lt; 0.18 ng/ml</td> <td>36</td> <td>6048</td> <td>-NA-</td> <td>1</td> </tr> </tbody> </table> </div> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th>Report</th> <th>Analyte</th> <th>Result (Units)</th> <th>Error</th> <th>DF</th> </tr> </thead> <tbody> <tr> <td><input type="checkbox"/></td> <td>CKMB</td> <td>0.47 ng/ml</td> <td>0</td> <td>1</td> </tr> <tr> <td><input type="checkbox"/></td> <td>MYOGLOBIN</td> <td>&lt; 1.80 nmol/L</td> <td>6048</td> <td>1</td> </tr> <tr> <td><input type="checkbox"/></td> <td>FABP</td> <td>&lt; 0.15 ng/ml</td> <td>6048</td> <td>1</td> </tr> <tr> <td><input type="checkbox"/></td> <td>CTNI</td> <td>&lt; 0.18 ng/ml</td> <td>6048</td> <td>1</td> </tr> </tbody> </table> <p><b>NOTE 1:</b> Changing the unit of reporting for an analyte, then affects all results for that analyte across all samples on that system.</p> <p><b>NOTE 2:</b> If you have any concerns about a retrieved archived result which is presented as a &lt; value, please contact your Technical Support advisor for further information.</p> | Analyte        | Units  | RLU    | Result  | Error      | DFactor |       |        |       |  |  | CKMB | ng/ml | 30 | 0.47 | 0 | 1 |  |  | ng/ml | ng/ml | ng/ml | MYOGLOBIN | ng/ml | 23 | < 1.80 | 6048 | 1 |  |  | ng/ml | ng/ml | ng/ml | FABP | ng/ml | 26 | < 0.15 | 6048 | 1 | SampleCode | (DF) | CKMB | MYO | FABP | CTNI | ng/ml | 36 | < 0.18 | 6048 | 1 |  |  | 1 | 0.47 | <1.8 |  |  |  |  |  |  |  |  |  |  | <0.15 |  |  |  |  |  |  |  |  |  |  | <0.18 | Analyte | Units | RLU | Result | Error | DFactor |  |  |  |  |  | CKMB | ng/ml | 30 | 0.47 | 0 | 1 |  |  | ng/ml | nmol/L | ng/ml | MYOGLOBIN | nmol/L | 23 | < 0.10 | 6048 | 1 |  |  | ng/ml | nmol/L | ng/ml | FABP | ng/ml | 26 | < 0.15 | 6048 | 1 | SampleCode | (DF) | CKMB | MYO | FABP | CTNI | ng/ml | 36 | < 0.18 | 6048 | 1 |  |  | 1 | 0.47 | <0.1 |  |  |  |  |  |  |  |  |  |  | <0.15 |  |  |  |  |  |  |  |  |  |  | <0.18 | Analyte | Result (units) | RLU | Error | CutOff | DF | CKMB | 0.47 ng/ml | 30 | 0 | -NA- | 1 | MYOGLOBIN | < 1.80 nmol/L | 23 | 6048 | -NA- | 1 | FABP | < 0.15 ng/ml | 26 | 6048 | -NA- | 1 | CTNI | < 0.18 ng/ml | 36 | 6048 | -NA- | 1 | Report | Analyte | Result (Units) | Error | DF | <input type="checkbox"/> | CKMB | 0.47 ng/ml | 0 | 1 | <input type="checkbox"/> | MYOGLOBIN | < 1.80 nmol/L | 6048 | 1 | <input type="checkbox"/> | FABP | < 0.15 ng/ml | 6048 | 1 | <input type="checkbox"/> | CTNI | < 0.18 ng/ml | 6048 | 1 |
| Analyte                  | Units   | RLU            | Result | Error  | DFactor |            |         |       |        |       |  |  |      |       |    |      |   |   |  |  |       |       |       |           |       |    |        |      |   |  |  |       |       |       |      |       |    |        |      |   |            |      |      |     |      |      |       |    |        |      |   |  |  |   |      |      |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |       |         |       |     |        |       |         |  |  |  |  |  |      |       |    |      |   |   |  |  |       |        |       |           |        |    |        |      |   |  |  |       |        |       |      |       |    |        |      |   |            |      |      |     |      |      |       |    |        |      |   |  |  |   |      |      |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |       |         |                |     |       |        |    |      |            |    |   |      |   |           |               |    |      |      |   |      |              |    |      |      |   |      |              |    |      |      |   |        |         |                |       |    |                          |      |            |   |   |                          |           |               |      |   |                          |      |              |      |   |                          |      |              |      |   |
| CKMB                     | ng/ml   | 30             | 0.47   | 0      | 1       |            |         | ng/ml | ng/ml  | ng/ml |  |  |      |       |    |      |   |   |  |  |       |       |       |           |       |    |        |      |   |  |  |       |       |       |      |       |    |        |      |   |            |      |      |     |      |      |       |    |        |      |   |  |  |   |      |      |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |       |         |       |     |        |       |         |  |  |  |  |  |      |       |    |      |   |   |  |  |       |        |       |           |        |    |        |      |   |  |  |       |        |       |      |       |    |        |      |   |            |      |      |     |      |      |       |    |        |      |   |  |  |   |      |      |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |       |         |                |     |       |        |    |      |            |    |   |      |   |           |               |    |      |      |   |      |              |    |      |      |   |      |              |    |      |      |   |        |         |                |       |    |                          |      |            |   |   |                          |           |               |      |   |                          |      |              |      |   |                          |      |              |      |   |
| MYOGLOBIN                | ng/ml   | 23             | < 1.80 | 6048   | 1       |            |         | ng/ml | ng/ml  | ng/ml |  |  |      |       |    |      |   |   |  |  |       |       |       |           |       |    |        |      |   |  |  |       |       |       |      |       |    |        |      |   |            |      |      |     |      |      |       |    |        |      |   |  |  |   |      |      |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |       |         |       |     |        |       |         |  |  |  |  |  |      |       |    |      |   |   |  |  |       |        |       |           |        |    |        |      |   |  |  |       |        |       |      |       |    |        |      |   |            |      |      |     |      |      |       |    |        |      |   |  |  |   |      |      |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |       |         |                |     |       |        |    |      |            |    |   |      |   |           |               |    |      |      |   |      |              |    |      |      |   |      |              |    |      |      |   |        |         |                |       |    |                          |      |            |   |   |                          |           |               |      |   |                          |      |              |      |   |                          |      |              |      |   |
| FABP                     | ng/ml   | 26             | < 0.15 | 6048   | 1       | SampleCode | (DF)    | CKMB  | MYO    | FABP  |  |  |      |       |    |      |   |   |  |  |       |       |       |           |       |    |        |      |   |  |  |       |       |       |      |       |    |        |      |   |            |      |      |     |      |      |       |    |        |      |   |  |  |   |      |      |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |       |         |       |     |        |       |         |  |  |  |  |  |      |       |    |      |   |   |  |  |       |        |       |           |        |    |        |      |   |  |  |       |        |       |      |       |    |        |      |   |            |      |      |     |      |      |       |    |        |      |   |  |  |   |      |      |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |       |         |                |     |       |        |    |      |            |    |   |      |   |           |               |    |      |      |   |      |              |    |      |      |   |      |              |    |      |      |   |        |         |                |       |    |                          |      |            |   |   |                          |           |               |      |   |                          |      |              |      |   |                          |      |              |      |   |
| CTNI                     | ng/ml   | 36             | < 0.18 | 6048   | 1       |            |         | 1     | 0.47   | <1.8  |  |  |      |       |    |      |   |   |  |  |       |       |       |           |       |    |        |      |   |  |  |       |       |       |      |       |    |        |      |   |            |      |      |     |      |      |       |    |        |      |   |  |  |   |      |      |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |       |         |       |     |        |       |         |  |  |  |  |  |      |       |    |      |   |   |  |  |       |        |       |           |        |    |        |      |   |  |  |       |        |       |      |       |    |        |      |   |            |      |      |     |      |      |       |    |        |      |   |  |  |   |      |      |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |       |         |                |     |       |        |    |      |            |    |   |      |   |           |               |    |      |      |   |      |              |    |      |      |   |      |              |    |      |      |   |        |         |                |       |    |                          |      |            |   |   |                          |           |               |      |   |                          |      |              |      |   |                          |      |              |      |   |
|                          |   |                |        |        |         |            |         |       |        | <0.15 |  |  |      |       |    |      |   |   |  |  |       |       |       |           |       |    |        |      |   |  |  |       |       |       |      |       |    |        |      |   |            |      |      |     |      |      |       |    |        |      |   |  |  |   |      |      |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |       |         |       |     |        |       |         |  |  |  |  |  |      |       |    |      |   |   |  |  |       |        |       |           |        |    |        |      |   |  |  |       |        |       |      |       |    |        |      |   |            |      |      |     |      |      |       |    |        |      |   |  |  |   |      |      |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |       |         |                |     |       |        |    |      |            |    |   |      |   |           |               |    |      |      |   |      |              |    |      |      |   |      |              |    |      |      |   |        |         |                |       |    |                          |      |            |   |   |                          |           |               |      |   |                          |      |              |      |   |                          |      |              |      |   |
|                          |   |                |        |        |         |            |         |       |        | <0.18 |  |  |      |       |    |      |   |   |  |  |       |       |       |           |       |    |        |      |   |  |  |       |       |       |      |       |    |        |      |   |            |      |      |     |      |      |       |    |        |      |   |  |  |   |      |      |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |       |         |       |     |        |       |         |  |  |  |  |  |      |       |    |      |   |   |  |  |       |        |       |           |        |    |        |      |   |  |  |       |        |       |      |       |    |        |      |   |            |      |      |     |      |      |       |    |        |      |   |  |  |   |      |      |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |       |         |                |     |       |        |    |      |            |    |   |      |   |           |               |    |      |      |   |      |              |    |      |      |   |      |              |    |      |      |   |        |         |                |       |    |                          |      |            |   |   |                          |           |               |      |   |                          |      |              |      |   |                          |      |              |      |   |
| Analyte                  | Units   | RLU            | Result | Error  | DFactor |            |         |       |        |       |  |  |      |       |    |      |   |   |  |  |       |       |       |           |       |    |        |      |   |  |  |       |       |       |      |       |    |        |      |   |            |      |      |     |      |      |       |    |        |      |   |  |  |   |      |      |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |       |         |       |     |        |       |         |  |  |  |  |  |      |       |    |      |   |   |  |  |       |        |       |           |        |    |        |      |   |  |  |       |        |       |      |       |    |        |      |   |            |      |      |     |      |      |       |    |        |      |   |  |  |   |      |      |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |       |         |                |     |       |        |    |      |            |    |   |      |   |           |               |    |      |      |   |      |              |    |      |      |   |      |              |    |      |      |   |        |         |                |       |    |                          |      |            |   |   |                          |           |               |      |   |                          |      |              |      |   |                          |      |              |      |   |
| CKMB                     | ng/ml   | 30             | 0.47   | 0      | 1       |            |         | ng/ml | nmol/L | ng/ml |  |  |      |       |    |      |   |   |  |  |       |       |       |           |       |    |        |      |   |  |  |       |       |       |      |       |    |        |      |   |            |      |      |     |      |      |       |    |        |      |   |  |  |   |      |      |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |       |         |       |     |        |       |         |  |  |  |  |  |      |       |    |      |   |   |  |  |       |        |       |           |        |    |        |      |   |  |  |       |        |       |      |       |    |        |      |   |            |      |      |     |      |      |       |    |        |      |   |  |  |   |      |      |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |       |         |                |     |       |        |    |      |            |    |   |      |   |           |               |    |      |      |   |      |              |    |      |      |   |      |              |    |      |      |   |        |         |                |       |    |                          |      |            |   |   |                          |           |               |      |   |                          |      |              |      |   |                          |      |              |      |   |
| MYOGLOBIN                | nmol/L  | 23             | < 0.10 | 6048   | 1       |            |         | ng/ml | nmol/L | ng/ml |  |  |      |       |    |      |   |   |  |  |       |       |       |           |       |    |        |      |   |  |  |       |       |       |      |       |    |        |      |   |            |      |      |     |      |      |       |    |        |      |   |  |  |   |      |      |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |       |         |       |     |        |       |         |  |  |  |  |  |      |       |    |      |   |   |  |  |       |        |       |           |        |    |        |      |   |  |  |       |        |       |      |       |    |        |      |   |            |      |      |     |      |      |       |    |        |      |   |  |  |   |      |      |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |       |         |                |     |       |        |    |      |            |    |   |      |   |           |               |    |      |      |   |      |              |    |      |      |   |      |              |    |      |      |   |        |         |                |       |    |                          |      |            |   |   |                          |           |               |      |   |                          |      |              |      |   |                          |      |              |      |   |
| FABP                     | ng/ml   | 26             | < 0.15 | 6048   | 1       | SampleCode | (DF)    | CKMB  | MYO    | FABP  |  |  |      |       |    |      |   |   |  |  |       |       |       |           |       |    |        |      |   |  |  |       |       |       |      |       |    |        |      |   |            |      |      |     |      |      |       |    |        |      |   |  |  |   |      |      |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |       |         |       |     |        |       |         |  |  |  |  |  |      |       |    |      |   |   |  |  |       |        |       |           |        |    |        |      |   |  |  |       |        |       |      |       |    |        |      |   |            |      |      |     |      |      |       |    |        |      |   |  |  |   |      |      |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |       |         |                |     |       |        |    |      |            |    |   |      |   |           |               |    |      |      |   |      |              |    |      |      |   |      |              |    |      |      |   |        |         |                |       |    |                          |      |            |   |   |                          |           |               |      |   |                          |      |              |      |   |                          |      |              |      |   |
| CTNI                     | ng/ml   | 36             | < 0.18 | 6048   | 1       |            |         | 1     | 0.47   | <0.1  |  |  |      |       |    |      |   |   |  |  |       |       |       |           |       |    |        |      |   |  |  |       |       |       |      |       |    |        |      |   |            |      |      |     |      |      |       |    |        |      |   |  |  |   |      |      |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |       |         |       |     |        |       |         |  |  |  |  |  |      |       |    |      |   |   |  |  |       |        |       |           |        |    |        |      |   |  |  |       |        |       |      |       |    |        |      |   |            |      |      |     |      |      |       |    |        |      |   |  |  |   |      |      |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |       |         |                |     |       |        |    |      |            |    |   |      |   |           |               |    |      |      |   |      |              |    |      |      |   |      |              |    |      |      |   |        |         |                |       |    |                          |      |            |   |   |                          |           |               |      |   |                          |      |              |      |   |                          |      |              |      |   |
|                          |   |                |        |        |         |            |         |       |        | <0.15 |  |  |      |       |    |      |   |   |  |  |       |       |       |           |       |    |        |      |   |  |  |       |       |       |      |       |    |        |      |   |            |      |      |     |      |      |       |    |        |      |   |  |  |   |      |      |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |       |         |       |     |        |       |         |  |  |  |  |  |      |       |    |      |   |   |  |  |       |        |       |           |        |    |        |      |   |  |  |       |        |       |      |       |    |        |      |   |            |      |      |     |      |      |       |    |        |      |   |  |  |   |      |      |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |       |         |                |     |       |        |    |      |            |    |   |      |   |           |               |    |      |      |   |      |              |    |      |      |   |      |              |    |      |      |   |        |         |                |       |    |                          |      |            |   |   |                          |           |               |      |   |                          |      |              |      |   |                          |      |              |      |   |
|                          |   |                |        |        |         |            |         |       |        | <0.18 |  |  |      |       |    |      |   |   |  |  |       |       |       |           |       |    |        |      |   |  |  |       |       |       |      |       |    |        |      |   |            |      |      |     |      |      |       |    |        |      |   |  |  |   |      |      |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |       |         |       |     |        |       |         |  |  |  |  |  |      |       |    |      |   |   |  |  |       |        |       |           |        |    |        |      |   |  |  |       |        |       |      |       |    |        |      |   |            |      |      |     |      |      |       |    |        |      |   |  |  |   |      |      |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |       |         |                |     |       |        |    |      |            |    |   |      |   |           |               |    |      |      |   |      |              |    |      |      |   |      |              |    |      |      |   |        |         |                |       |    |                          |      |            |   |   |                          |           |               |      |   |                          |      |              |      |   |                          |      |              |      |   |
| Analyte                  | Result (units)  | RLU            | Error  | CutOff | DF      |            |         |       |        |       |  |  |      |       |    |      |   |   |  |  |       |       |       |           |       |    |        |      |   |  |  |       |       |       |      |       |    |        |      |   |            |      |      |     |      |      |       |    |        |      |   |  |  |   |      |      |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |       |         |       |     |        |       |         |  |  |  |  |  |      |       |    |      |   |   |  |  |       |        |       |           |        |    |        |      |   |  |  |       |        |       |      |       |    |        |      |   |            |      |      |     |      |      |       |    |        |      |   |  |  |   |      |      |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |       |         |                |     |       |        |    |      |            |    |   |      |   |           |               |    |      |      |   |      |              |    |      |      |   |      |              |    |      |      |   |        |         |                |       |    |                          |      |            |   |   |                          |           |               |      |   |                          |      |              |      |   |                          |      |              |      |   |
| CKMB                     | 0.47 ng/ml  | 30             | 0      | -NA-   | 1       |            |         |       |        |       |  |  |      |       |    |      |   |   |  |  |       |       |       |           |       |    |        |      |   |  |  |       |       |       |      |       |    |        |      |   |            |      |      |     |      |      |       |    |        |      |   |  |  |   |      |      |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |       |         |       |     |        |       |         |  |  |  |  |  |      |       |    |      |   |   |  |  |       |        |       |           |        |    |        |      |   |  |  |       |        |       |      |       |    |        |      |   |            |      |      |     |      |      |       |    |        |      |   |  |  |   |      |      |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |       |         |                |     |       |        |    |      |            |    |   |      |   |           |               |    |      |      |   |      |              |    |      |      |   |      |              |    |      |      |   |        |         |                |       |    |                          |      |            |   |   |                          |           |               |      |   |                          |      |              |      |   |                          |      |              |      |   |
| MYOGLOBIN                | < 1.80 nmol/L   | 23             | 6048   | -NA-   | 1       |            |         |       |        |       |  |  |      |       |    |      |   |   |  |  |       |       |       |           |       |    |        |      |   |  |  |       |       |       |      |       |    |        |      |   |            |      |      |     |      |      |       |    |        |      |   |  |  |   |      |      |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |       |         |       |     |        |       |         |  |  |  |  |  |      |       |    |      |   |   |  |  |       |        |       |           |        |    |        |      |   |  |  |       |        |       |      |       |    |        |      |   |            |      |      |     |      |      |       |    |        |      |   |  |  |   |      |      |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |       |         |                |     |       |        |    |      |            |    |   |      |   |           |               |    |      |      |   |      |              |    |      |      |   |      |              |    |      |      |   |        |         |                |       |    |                          |      |            |   |   |                          |           |               |      |   |                          |      |              |      |   |                          |      |              |      |   |
| FABP                     | < 0.15 ng/ml  | 26             | 6048   | -NA-   | 1       |            |         |       |        |       |  |  |      |       |    |      |   |   |  |  |       |       |       |           |       |    |        |      |   |  |  |       |       |       |      |       |    |        |      |   |            |      |      |     |      |      |       |    |        |      |   |  |  |   |      |      |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |       |         |       |     |        |       |         |  |  |  |  |  |      |       |    |      |   |   |  |  |       |        |       |           |        |    |        |      |   |  |  |       |        |       |      |       |    |        |      |   |            |      |      |     |      |      |       |    |        |      |   |  |  |   |      |      |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |       |         |                |     |       |        |    |      |            |    |   |      |   |           |               |    |      |      |   |      |              |    |      |      |   |      |              |    |      |      |   |        |         |                |       |    |                          |      |            |   |   |                          |           |               |      |   |                          |      |              |      |   |                          |      |              |      |   |
| CTNI                     | < 0.18 ng/ml  | 36             | 6048   | -NA-   | 1       |            |         |       |        |       |  |  |      |       |    |      |   |   |  |  |       |       |       |           |       |    |        |      |   |  |  |       |       |       |      |       |    |        |      |   |            |      |      |     |      |      |       |    |        |      |   |  |  |   |      |      |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |       |         |       |     |        |       |         |  |  |  |  |  |      |       |    |      |   |   |  |  |       |        |       |           |        |    |        |      |   |  |  |       |        |       |      |       |    |        |      |   |            |      |      |     |      |      |       |    |        |      |   |  |  |   |      |      |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |       |         |                |     |       |        |    |      |            |    |   |      |   |           |               |    |      |      |   |      |              |    |      |      |   |      |              |    |      |      |   |        |         |                |       |    |                          |      |            |   |   |                          |           |               |      |   |                          |      |              |      |   |                          |      |              |      |   |
| Report                   | Analyte   | Result (Units) | Error  | DF     |         |            |         |       |        |       |  |  |      |       |    |      |   |   |  |  |       |       |       |           |       |    |        |      |   |  |  |       |       |       |      |       |    |        |      |   |            |      |      |     |      |      |       |    |        |      |   |  |  |   |      |      |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |       |         |       |     |        |       |         |  |  |  |  |  |      |       |    |      |   |   |  |  |       |        |       |           |        |    |        |      |   |  |  |       |        |       |      |       |    |        |      |   |            |      |      |     |      |      |       |    |        |      |   |  |  |   |      |      |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |       |         |                |     |       |        |    |      |            |    |   |      |   |           |               |    |      |      |   |      |              |    |      |      |   |      |              |    |      |      |   |        |         |                |       |    |                          |      |            |   |   |                          |           |               |      |   |                          |      |              |      |   |                          |      |              |      |   |
| <input type="checkbox"/> | CKMB  | 0.47 ng/ml     | 0      | 1      |         |            |         |       |        |       |  |  |      |       |    |      |   |   |  |  |       |       |       |           |       |    |        |      |   |  |  |       |       |       |      |       |    |        |      |   |            |      |      |     |      |      |       |    |        |      |   |  |  |   |      |      |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |       |         |       |     |        |       |         |  |  |  |  |  |      |       |    |      |   |   |  |  |       |        |       |           |        |    |        |      |   |  |  |       |        |       |      |       |    |        |      |   |            |      |      |     |      |      |       |    |        |      |   |  |  |   |      |      |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |       |         |                |     |       |        |    |      |            |    |   |      |   |           |               |    |      |      |   |      |              |    |      |      |   |      |              |    |      |      |   |        |         |                |       |    |                          |      |            |   |   |                          |           |               |      |   |                          |      |              |      |   |                          |      |              |      |   |
| <input type="checkbox"/> | MYOGLOBIN   | < 1.80 nmol/L  | 6048   | 1      |         |            |         |       |        |       |  |  |      |       |    |      |   |   |  |  |       |       |       |           |       |    |        |      |   |  |  |       |       |       |      |       |    |        |      |   |            |      |      |     |      |      |       |    |        |      |   |  |  |   |      |      |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |       |         |       |     |        |       |         |  |  |  |  |  |      |       |    |      |   |   |  |  |       |        |       |           |        |    |        |      |   |  |  |       |        |       |      |       |    |        |      |   |            |      |      |     |      |      |       |    |        |      |   |  |  |   |      |      |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |       |         |                |     |       |        |    |      |            |    |   |      |   |           |               |    |      |      |   |      |              |    |      |      |   |      |              |    |      |      |   |        |         |                |       |    |                          |      |            |   |   |                          |           |               |      |   |                          |      |              |      |   |                          |      |              |      |   |
| <input type="checkbox"/> | FABP  | < 0.15 ng/ml   | 6048   | 1      |         |            |         |       |        |       |  |  |      |       |    |      |   |   |  |  |       |       |       |           |       |    |        |      |   |  |  |       |       |       |      |       |    |        |      |   |            |      |      |     |      |      |       |    |        |      |   |  |  |   |      |      |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |       |         |       |     |        |       |         |  |  |  |  |  |      |       |    |      |   |   |  |  |       |        |       |           |        |    |        |      |   |  |  |       |        |       |      |       |    |        |      |   |            |      |      |     |      |      |       |    |        |      |   |  |  |   |      |      |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |       |         |                |     |       |        |    |      |            |    |   |      |   |           |               |    |      |      |   |      |              |    |      |      |   |      |              |    |      |      |   |        |         |                |       |    |                          |      |            |   |   |                          |           |               |      |   |                          |      |              |      |   |                          |      |              |      |   |
| <input type="checkbox"/> | CTNI  | < 0.18 ng/ml   | 6048   | 1      |         |            |         |       |        |       |  |  |      |       |    |      |   |   |  |  |       |       |       |           |       |    |        |      |   |  |  |       |       |       |      |       |    |        |      |   |            |      |      |     |      |      |       |    |        |      |   |  |  |   |      |      |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |       |         |       |     |        |       |         |  |  |  |  |  |      |       |    |      |   |   |  |  |       |        |       |           |        |    |        |      |   |  |  |       |        |       |      |       |    |        |      |   |            |      |      |     |      |      |       |    |        |      |   |  |  |   |      |      |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |       |         |                |     |       |        |    |      |            |    |   |      |   |           |               |    |      |      |   |      |              |    |      |      |   |      |              |    |      |      |   |        |         |                |       |    |                          |      |            |   |   |                          |           |               |      |   |                          |      |              |      |   |                          |      |              |      |   |

## Important Release Information

Before performing the Evidence Investigator Version 2.0.0 software upgrade it is important that these instructions are followed:

1. Please run a backup of your system's database using either the **Database Backup v2.1** application or **Database Tools 2.0** – If you do not have either of these applications; please contact Radox Technical Services or your Radox support provider who will be happy to provide you with a copy.
  - Make sure the backup is saved to a safe location such as an external drive or removable media.
2. Please read carefully and follow the Installation Instructions as detailed.
  - Windows™ XP & 7 operating systems Pages **8 to 13**.

After performing the upgrade:

1. Please contact Radox to confirm that the update has been done.
  - If any errors are encountered during the update, please contact your Radox support provider with details of the error and screen shots if applicable.
  - Please do not run the analyser until a support representative has been contacted and any issues are resolved.

### NOTES:

1. The installer has been designed to update Investigator analysers (with software Version 1.4.2.0 or above) to Version 2.0.0 software.
2. If problems occur, some users may need to manually upgrade to Version 1.7.1 before re-running the Version 2.0.0 upgrade. If you do not have a copy of the previous Version 1.7.1 software, please contact your Radox support provider.
3. The software update has a base number of 2.0.0. The update received by end users may be higher than the base number and may, for example, have a release number of 2.0.0.5 or 2.0.0.6, etc. depending on the last validated build of software.
4. Remote sessions can be arranged, at your convenience, for a representative from Radox to carry out the software update or to assess the analyser post update. Please be aware, remote sessions require an internet connection to be made available to the analyser PC.

If any of the points above require clarification or further guidance is needed, please contact your local support provider or Radox Technical Services at [technical.services@radox.com](mailto:technical.services@radox.com)



## Version 2.0.0 Software Installation

The Version 2.0.0 software update uses the same setup processes as previous installations. However, users should read the following instructions to make sure they are familiar with the steps and are confident to complete the installation.

To allow Radox to provide equipment specific support, it is important that Radox are notified when software/hardware has been updated.

Please contact your Radox support provider to confirm that the update has been completed; including details of the update and of the equipment.

This may be easily achieved by viewing the **About** screen which provides details of the analyser serial number ① and the software version ②.



### NOTES:

1. On user's analysers, ① and ② will be different to that shown in the illustration above.
2. Users are advised to use the Radox Scheduled Backup Assistant to backup their databases to a safe location such as an external drive or removable media before installing any new software to the analyser PC.
  - a. The Backup Assistant is a separate application that can be provided by your local Radox Representative or by contacting Radox Technical Services.

**NOTE:** Screen images shown in this document are representative of the process and may differ slightly between individual installations and the operating systems.

1. Turn the analyser PC on.
2. Insert the CD-ROM containing the Version Update 2.0.0.

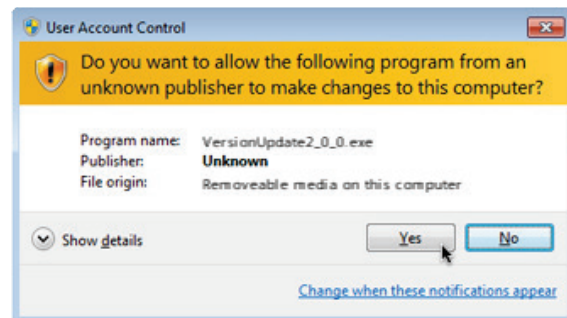
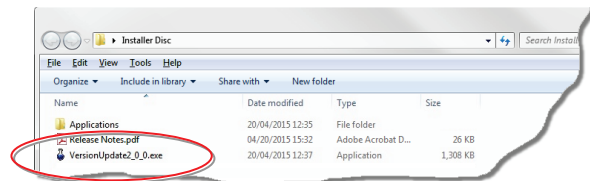
The CD should run automatically and start the update.

If the CD does not run automatically, locate the update installer application. The installer is located at the top level on the CD and not within a folder.

Double click on **VersionUpdate2\_0\_0.exe** to launch the update application.

Depending on the security settings on the analyser PC, a warning message may be displayed before any software is allowed to be installed.

3. Click the **Yes** button to proceed with the software update.





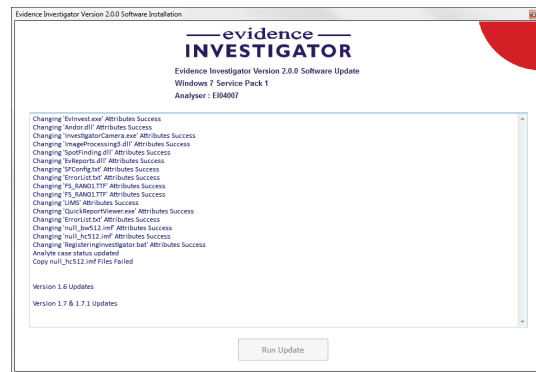
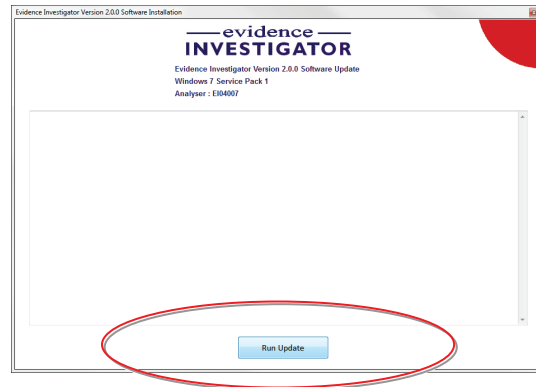
- The Investigator Updater application screen will be displayed.

Click the **Run Update** button displayed at the bottom of the application window and the update will start.

The **software** progress window will display details of the software files as the system is updated.

The process may pause occasionally for a few seconds but should continue soon after.

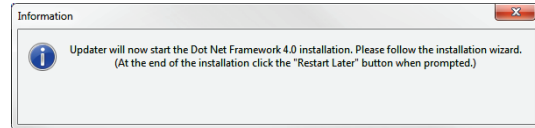
After loading a number of files the software update will attempt to install Dot Net Framework 4.0.



### Dot Net Framework 4.0. Install

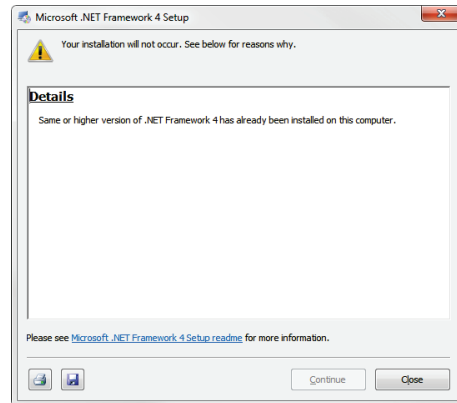
Before the updated analyser software is installed the installer application will attempt to install 'Dot Net Framework 4.0'.

1. Click **OK** to close the message and start the Dot Net installation.



If already installed the installer will allow this part of the process to be bypassed.

- If already installed, click the **Close** button to move onto the next stage of the update.



- If not already installed (or not the correct version of Dot Net), Microsoft may require users to agree to the license terms before Dot Net Framework 4.0. installation is started. If required the terms may be printed or saved to a file for future reference.
2. Place a **tick** in the in the check box to confirm that you agree with the terms of the license.
  3. Click on the **Install** button to start the Dot Net Framework 4.0. installation process. The Dot Net Framework 4.0. installation process is shown on-screen by progress bars.

**NOTE:** Do NOT restart the computer at the end of the Dot Net Framework 4.0. installation. The computer should be restarted only after the complete analyser software update has ended.

A message is displayed when the Dot Net Framework 4.0. installation is complete.

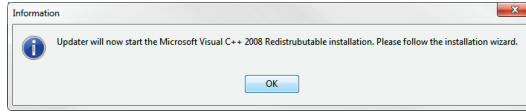
4. Click the **Finish** button to end the Dot Net Framework 4.0. installation.

The analyser update will continue automatically after the Dot Net Framework 4.0. installation has finished.

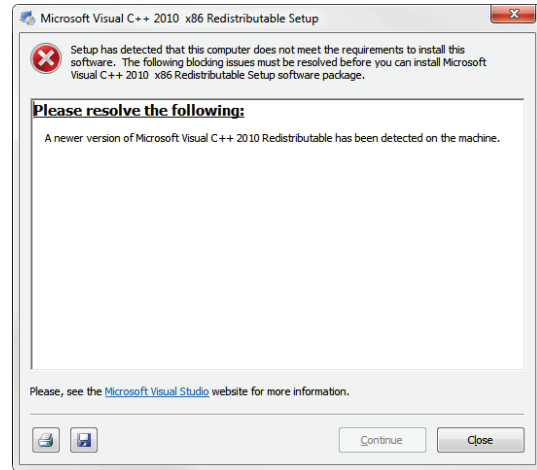
### C++ Install

Following the Dot Net installation the system will attempt to update the C++ libraries.

C++ is the programming language used to create the analyser software. Many users, particularly those running relatively new systems may find that the Version of C++ on their PC is already at a higher level than the minimum required for the analyser.



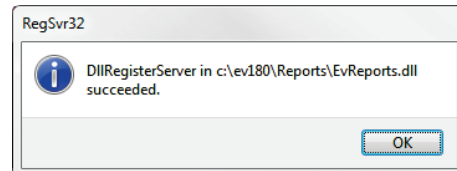
- If the Version of C++ on the analyser PC is lower than the required standard for Version 2.0.0. analyser software, the installer will proceed to install the new C++ libraries.
- If the Version of C++ is already the correct level or higher, the installer will inform the user with an on-screen message.
  - Click the **Close** button to move onto the next stage of the update.



### Analysers Update 2.0.0. Install

Version 2.0.0 analyser software updates will continue automatically after the C++ process has ended. Update progress is shown on-screen as each file is processed.

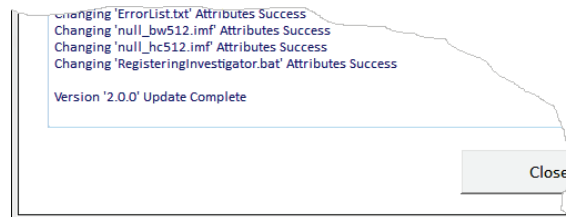
At the end of the process a series of messages (such as the one shown opposite) are displayed to confirm that all required .dll files have been installed.



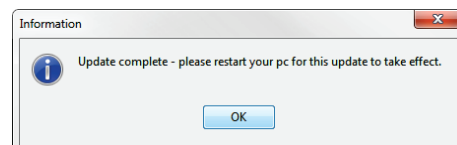
Click the **OK** button to acknowledge each message.

The update will now continue to install the analyser software files.

When all files have been installed the installation progress window will indicate that the update is complete and a pop-up message is also displayed to confirm that the update is complete.



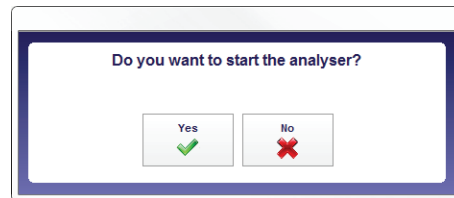
1. Click the **OK** button to acknowledge the message.
2. On the Installer window, click on the **Close** button to close the installation software.
3. Restart the analyser PC from the **Windows/Start** button.
4. Start the analyser software. The Version 2.0.0 software should be displayed.



**To check the software Version:**

- Start the analyser software.

A message will be displayed with the option to start the analyser.



- Select **Yes** to fully start the analyser and software or select **No** to start the software only.

The software version is shown near to the centre of the screen.

Alternatively the version and other analyser details can be viewed at any time whilst using the analyser/software:

- Press the **F1 key** on the keyboard to display the About screen.



The software Version is shown at the bottom of the window.

- Click the **Close** button to close the pop-up window and return to the main software.

**NOTES:**

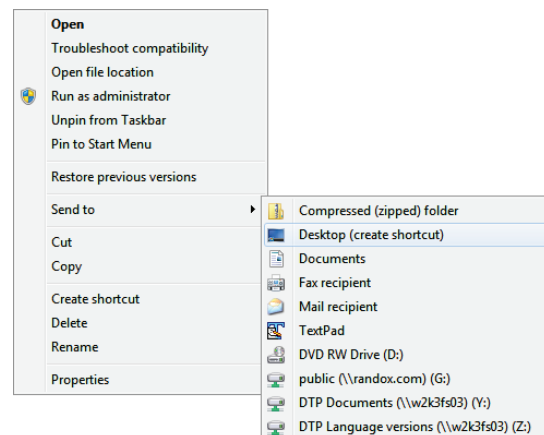
1. The address and telephone numbers can be copied and pasted if required.
2. Users with web access can click on the Radox web address to view the Radox website.

**Evidence Investigator Shortcut Icon**

As part of the visual upgrade to the Investigator software, the icon used to start the software has also been changed and many users will place a shortcut to the **EvInvest.exe** file on their desktop.

**To place a shortcut on the desktop:**

1. Navigate to the **EvInvest.exe** file, found in the 'UI' folder on the C: drive (**C:\ev180\UI\ EvInvest.exe**)
2. Right click on the **EvInvest.exe** file to display a pop-up menu.
3. From the pop-up menu, select **Send to**. A range of options will be displayed on a sub-menu.
4. From the sub-menu, select **Desktop (create shortcut)**.



A shortcut icon to the software (denoted by the small arrow in the bottom left hand corner) will be displayed on the desktop.



For some users the screen may not display the new icon but will retain the old icon (shown opposite) used with previous installations of the software.



- This is caused by a known issue with the Windows operating system but is not a problem and does not affect the functioning of the analyser software in any way.
- Users who wish to display the new icon should follow the steps below which should resolve the issue in the majority of cases.

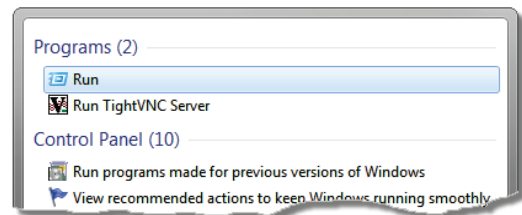
5. Click on the Windows Start button.



6. Type the word **Run** into the Search field at the bottom of the **Start** menu.

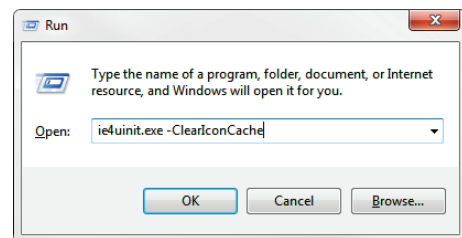
The **Run** application icon will be displayed at the top of the **Start** menu.

7. Click on the **Run** application icon. The application will be displayed.



8. In the Run application, type the following text:  
**ie4unit.exe -ClearIconCache**

**NOTE:** there is a single space between the '.exe' and the hyphen '-'.



9. Click **OK**.

The Run window will close and the old analyser icon should be replaced with the new style icon.