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| **Validating and Editing Samples Results in IH-Com** | | | | | |
| **Purpose** | This procedure provides instructions to ensure that the user validates and edits sample results appropriately. | | | | |
| **Procedure** |  | | | | |
|  | **Step** | Action | | | |
|  | 1 | Once processing is completed, results are automatically transferred to IH-Com for review. Results will be held for manual review and validation | | | |
|  | 2 | Select the ‘Results’ tab in IH-Com | | | |
|  | 3 | The following tabs could be available depending on the verification settings in the configuration file:   1. ‘All’-This is activated by default and contains all results of the current day as well as results that have not been validated, and pipetted results for which no reaction intensities were read. 2. “To Read’-All results that have not yet been read and accepted and with reaction strengths that have not yet been saved are displayed here. 3. ‘To Read 2nd’ –Results with remaining discrepancies after initial validation are displayed in this window. Results with reaction strengths that are saved and not accepted are also displayed. This button is activated only if corresponding results exist. 4. “Extra Check’ – Results select for an extra check in verification. This button is only shown if corresponding results exist. | | | |
|  | 4 | Result Verification Window:   1. Magnified view of the selected well with gel card data and comment for the well. 2. Field for comment of the sample and/or the test 3. Area for **Patient/Sample data** 4. Reactions results 5. Results area | | | |
|  | 5 | The interpretation of the results in the Result Verification window is represented using the following colors:   1. White – Plausible result without edits 2. Green – Result matching the automatic interpretation after editing. 3. Orange – Result not matching the automatic interpretation after editing. 4. Red – Not a plausible result. | | | |
|  | 5 | Select the ‘To Read’ tab to review results not yet validated. | | | |
|  | 6 | Select the ‘Edit Results’ button. | | | |
|  | 7 | The first result that requires review will appear in the ‘Result Verification’ window:   1. Review results. The reaction strength read by the instrument is displayed under the individual column. 2. If a reaction requires editing, use the mouse to right click on that column. Select the correct interpretation and record comment why the change was made. Note: A modified reaction strength is indicated by and asterisk(\*)        1. Select ‘Accept All’ then select ‘Save’ | | | |
|  | 8 | The next result requiring review will now appear in the ‘Result Verification’ window. | | | |
|  | 9 | Continue this process until all results are validated.   1. Select the “Skip’ button to skip the current sample and go to the next. | | | |
|  | 10 | When IH-Com identifies a discrepancy, the interpretation line in the verification check is highlighted in red and the notification ‘A discrepancy has been identified’ is displayed. Appendix A: Flowchart for DP, LIQ and question marks   1. This notification is automatically updated if reaction strengths and changed. 2. If results will be validated in spite of the discrepancy, and additional confirmation message is displayed and a comment must be entered. | | | |
|  | 11 | To Change an Interpretation:   1. Select the ‘To Read’ tab. Highlight the sample and select the ‘Edit Results’ button. 2. Modify the interpretation in the ‘Results’ section of the window by selecting the desired interpretation from the drop down menu. 3. Enter a comment in the ‘Sample Comment’ field 4. After the change, the overall interpretation is highlighted with an orange background. 5. A confirmation window appears when saving the result. Select ‘YES’ | | | |
|  | 12 | Adding comments to results:   1. To Add a Sample Comment:    1. Select the small square ellipsis button to the left of the Sample Comment field to open the Input Screen      * 1. Enter the comment(s)   2. Select ‘OK’  1. To Add a Single Reaction Comment:    1. Select the Reaction Column    2. Open the input window using the **Edit reaction comment** context menu.    3. Insert any text.      * 1. Confirm your input      * 1. Enter the comment(s) Move the cursor over the reaction column.      * 1. Confirm your comment input. | | | |
|  | 13 | Once all results have been validated, select the ‘Print’ button from the ‘Results’ tab.   1. A preview of all validate but not yet printed results is displayed. 2. Select the printer button to start the printing. Alternatively, it is possible to back up the Daily Journal to a PDF file on the hard drive or another storage medium. 3. To reprint the Daily Journal for a specific date, select ‘Print’ from the menu bar, and then ‘Results and Protocols’. Select the ‘Daily Journal’ tab and the date then select the ‘Daily Journal’ button. | | | |
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| **Limitations** | 1. For some assays, a weak reactions (<2+) is not expected and IH-Com will determine the result as ‘Not interpretable’. Assays that would be ‘Not Interpretable’ include those using blood grouping antisera such as Anti-A, Anti-B and Anti-D, as well as phenotyping. 2. For some assays, a weak reaction (<2+) is not unexpected and will interpreted as positive for the overall assay interpretation. Assays that would be interpreted as positive include antibody screens, antibody identification and reverse ABO testing. | | | | |
| **References** | 1. IH-Com User Manual NA V1.2-02/2021, Chapter B Section 1.6 and Chapter C Section 4.8 | | | | |
| **Approval**  **Workflow** | Transfusion Service/Lab Director | | | | |
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| **Historical Record** | **Version** | | **Written/Revised by:** | **Effective Date:** | **Summary of Revisions** |
| 1 | | S. Cassidy | 02/17/2023 | Initial Version |
|  | 2 | | S. Cassidy/ S. Heinen | 10/07/2024 | Add flowchart for resulting errors |

Appendix A: Flowcharts for Flag Management on the IH-COM





