



|  |   |                        |  |
|--|---|------------------------|--|
|  <b>Wake Forest</b><br>Baptist Medical Center | <b>Hematrax Standalone ISBT Printer</b><br><br>BB.FD.1042.1 | <b>Dept:</b>           | 324311                                 |
|  |   | <b>Dept Name:</b>      | Blood Bank                             |
|  |   | <b>Effective Date:</b> | 11/4/09                                |
|  |   | <b>Revised Date:</b>   |  |
| <b>Name &amp; Title:</b> CLIA Laboratory Medical Director  |   | <b>Contact:</b>        | Julie H Simmons/<br>Christina S Warren |
| <b>Signature:</b>                             |   | <b>Date:</b>           | 7/16/2020                              |

## 1. General Procedure Statement:

### A. Purpose:

The purpose of this procedure is to give instructions on using the standalone option for the Hematrax ISBT printer that may be needed during a downtime when ISBT labels are not being automatically generated.

### B. Responsible Department/Scope:

- i. Procedure owner/Implementer: Julie H. Simmons/ Christina S Warren
- ii. Procedure prepared by: Julie Jackson
- iii. Who performs procedure: Department staff/management

### C. Definitions:

**SCC:** Soft Computer, Blood Bank computer system

### D. Sections:

- I. Printing Full Face ISBT Labels

### E. Protocols

- 1.0 The Hematrax stand-alone printer may be needed if component modification takes place during an SCC downtime.
- 2.0 The ISBT labels can be created via the stand alone program.
- 3.0 The Hematrax stand-alone software is located on the computer in component preparation by the printer. The log in for the software:
  - a. UserID: BBTECH
  - b. Use Password: BLOODBANK1
- 4.0 The password and log in should only be changed by management or designee.

## 2.0 Procedure: I. Printing Full Face ISBT Labels

Chemical Risk Assessment: None  
 Biological Risk Assessment: None  
 Protective Equipment: gloves

Supplies: None  
 Reagents: None  
 Equipment: Hematrax ISBT printer  
 Specimen Requirements: None

| STEPS | INSTRUCTIONS   | CHANGE/<br>APPROVAL |
|-------|--|---------------------|
| 1.0   | <b>Open Hematrax Unity Client icon</b>   |                     |
| 2.0   | <b>Check the box next to "Set to Scan Mode"</b><br>2.1 This is to allow scanning of an existing ISBT unit #  |                     |
| 3.0   | <b>Select Label: Fullface</b>  |                     |
| 4.0   | <b>Select printer: Hematrax</b>  |                     |
| 5.0   | <b>Click on QI box (upper left quadrant) to enter unit #</b><br>5.1 Scan the unit # or manually enter<br>5.2 Click OK<br>5.3 The unit # and collection facility will show in the QI quadrant on the screen   |                     |
| 6.0   | <b>Click on QII box (upper right quadrant)</b><br>6.1 Select the product's ABORh from the drop down menu<br>6.2 Review the "Intended use" (donation type).<br>a. The box defaults to "Volunteer Allogeneic Donation".<br>b. Only change this option if the unit is an autologous or directed donation unit<br>6.3 The phenotypes option in this section is not available at this time.<br>6.4 Click OK<br>6.5 The ABORh will show in the QII quadrant on the screen  |                     |
| 7.0   | <b>Click on QIII (lower left quadrant) for product information</b><br>7.1 Determine the new Ecode for the new modified unit<br><i>Refer to Attachment 1: Product codes for Modification</i><br>7.2 Manually enter the Ecode for the new modified unit<br>7.3 Don't hit the Enter key, it will close the window<br>a. If you do close the window just double click on the QIII box again to reopen<br>7.4 Draw volume:<br>a. This will default in based on the Ecode<br>b. If the Ecode does not have a default draw volume it will default to "Unknown (XX)". Leave this as it is. This is not for the actual product volume. This will be asked for in later steps.<br>7.5 Click OK<br>7.6 The product information will show in the QIII quadrant on the screen |                     |

| STEPS   | INSTRUCTIONS   | CHANGE/<br>APPROVAL |            |             |                           |               |                               |                     |                                    |                          |                                  |                            |                      |                      |   |                          |  |                         |                                    |                      |  |  |          |   |                     |  |
|---|--|---------------------|------------|-------------|---------------------------|---------------|-------------------------------|---------------------|------------------------------------|--------------------------|----------------------------------|----------------------------|----------------------|----------------------|---|--------------------------|--|-------------------------|------------------------------------|----------------------|--|--|----------|---|---------------------|--|
| 8.0   | <p>Click on QIV (lower right quadrant)</p> <p><b>8.1 Expiration:</b></p> <ul style="list-style-type: none"> <li>a. Select expiration option: <ul style="list-style-type: none"> <li>i. Expiration Date only (this assumes the expiration time is 23:59)</li> <li>ii. Expiration Date and Time (to be used when the expiration time is not 23:59)</li> </ul> </li> <li>b. Enter the expiration date (and time if applicable) manually. <ul style="list-style-type: none"> <li>i. <b>Caution:</b> The expiration date/time is NOT calculated</li> </ul> </li> <li>c. Enter the expiration date/time calculations included in table below</li> </ul> <table border="1" data-bbox="331 646 1292 1474"> <thead> <tr> <th>Product</th> <th>Expiration</th> </tr> </thead> <tbody> <tr> <td>Open system</td> <td>24 hours from preparation</td> </tr> <tr> <td>Closed system</td> <td>Expiration date on mother bag</td> </tr> <tr> <td>Washed packed cells</td> <td>24 hours from start of preparation</td> </tr> <tr> <td>Deglycerolized red cells</td> <td>24 hours from thawing frozen rbc</td> </tr> <tr> <td>Pooled cryo (single units)</td> <td>4 hours from thawing</td> </tr> <tr> <td>Frozen plasma thawed</td> <td>5 days (120 hours) from thawing<br/>Printing optional*</td> </tr> <tr> <td>Divided plateletpheresis</td> <td>4 hours from preparation (aliquot bag)<br/>Expiration of mother bag if splitting a double bag</td> </tr> <tr> <td>Washed plateletpheresis</td> <td>4 hours from entry into mother bag</td> </tr> <tr> <td>Irradiated red cells</td> <td>28 days or<br/>original expiration if less than 28 days</td> </tr> <tr> <td>Irradiated red cell pedi aliquot for neonate</td> <td>24 hours</td> </tr> <tr> <td>Irradiated plateletpheresis<br/>Packing Whole Blood<br/>Irradiating Liquid Plasma</td> <td>Original expiration</td> </tr> </tbody> </table> <p>*Thawed plasma- print new thawed plasma label if time permits. If time does not permit (i.e. MTP), the new expiration date/time can be manually added to the existing ISBT label after marking thru the original date/time.</p> <p><b>8.2 Processing Facility Information:</b></p> <ul style="list-style-type: none"> <li>a. This is to be used when the product has been modified at WFBMC <ul style="list-style-type: none"> <li>i. Enter WFBMC's code: W2719</li> </ul> </li> <li>b. Select the Processing Legend: "Further Processing by"</li> </ul> | Product             | Expiration | Open system | 24 hours from preparation | Closed system | Expiration date on mother bag | Washed packed cells | 24 hours from start of preparation | Deglycerolized red cells | 24 hours from thawing frozen rbc | Pooled cryo (single units) | 4 hours from thawing | Frozen plasma thawed | 5 days (120 hours) from thawing<br>Printing optional* | Divided plateletpheresis | 4 hours from preparation (aliquot bag)<br>Expiration of mother bag if splitting a double bag | Washed plateletpheresis | 4 hours from entry into mother bag | Irradiated red cells | 28 days or<br>original expiration if less than 28 days | Irradiated red cell pedi aliquot for neonate | 24 hours | Irradiated plateletpheresis<br>Packing Whole Blood<br>Irradiating Liquid Plasma | Original expiration |  |
| Product   | Expiration   |                     |            |             |                           |               |                               |                     |                                    |                          |                                  |                            |                      |                      |   |                          |  |                         |                                    |                      |  |  |          |   |                     |  |
| Open system   | 24 hours from preparation  |                     |            |             |                           |               |                               |                     |                                    |                          |                                  |                            |                      |                      |   |                          |  |                         |                                    |                      |  |  |          |   |                     |  |
| Closed system   | Expiration date on mother bag  |                     |            |             |                           |               |                               |                     |                                    |                          |                                  |                            |                      |                      |   |                          |  |                         |                                    |                      |  |  |          |   |                     |  |
| Washed packed cells   | 24 hours from start of preparation   |                     |            |             |                           |               |                               |                     |                                    |                          |                                  |                            |                      |                      |   |                          |  |                         |                                    |                      |  |  |          |   |                     |  |
| Deglycerolized red cells  | 24 hours from thawing frozen rbc   |                     |            |             |                           |               |                               |                     |                                    |                          |                                  |                            |                      |                      |   |                          |  |                         |                                    |                      |  |  |          |   |                     |  |
| Pooled cryo (single units)  | 4 hours from thawing   |                     |            |             |                           |               |                               |                     |                                    |                          |                                  |                            |                      |                      |   |                          |  |                         |                                    |                      |  |  |          |   |                     |  |
| Frozen plasma thawed  | 5 days (120 hours) from thawing<br>Printing optional*  |                     |            |             |                           |               |                               |                     |                                    |                          |                                  |                            |                      |                      |   |                          |  |                         |                                    |                      |  |  |          |   |                     |  |
| Divided plateletpheresis  | 4 hours from preparation (aliquot bag)<br>Expiration of mother bag if splitting a double bag   |                     |            |             |                           |               |                               |                     |                                    |                          |                                  |                            |                      |                      |   |                          |  |                         |                                    |                      |  |  |          |   |                     |  |
| Washed plateletpheresis   | 4 hours from entry into mother bag   |                     |            |             |                           |               |                               |                     |                                    |                          |                                  |                            |                      |                      |   |                          |  |                         |                                    |                      |  |  |          |   |                     |  |
| Irradiated red cells  | 28 days or<br>original expiration if less than 28 days   |                     |            |             |                           |               |                               |                     |                                    |                          |                                  |                            |                      |                      |   |                          |  |                         |                                    |                      |  |  |          |   |                     |  |
| Irradiated red cell pedi aliquot for neonate                                    | 24 hours   |                     |            |             |                           |               |                               |                     |                                    |                          |                                  |                            |                      |                      |   |                          |  |                         |                                    |                      |  |  |          |   |                     |  |
| Irradiated plateletpheresis<br>Packing Whole Blood<br>Irradiating Liquid Plasma | Original expiration  |                     |            |             |                           |               |                               |                     |                                    |                          |                                  |                            |                      |                      |   |                          |  |                         |                                    |                      |  |  |          |   |                     |  |

| STEPS | INSTRUCTIONS  | CHANGE/<br>APPROVAL |
|-------|---|---------------------|
|       | <p><b>8.3 Special Testing:</b></p> <ul style="list-style-type: none"> <li>a. <b>NOTE:</b> you can only select one of the Special Testing options to print. Either Antigens <b>OR</b> CMV negative. You cannot print both at this time.</li> <li>b. <b>Antigen typing</b> can be printed on the label if applicable. <ul style="list-style-type: none"> <li>i. Click on “Special Testing: Red Blood Cell Antigens”</li> <li>ii. Use the drop down boxes to select antigens that have been tested.</li> <li>iii. If only one of the antigens in the dropdown box has been tested select the option that has the untested antigen as “nt”. <div data-bbox="500 598 695 919" data-label="Image"> </div> </li> <li>iv. Click OK</li> <li>v. If you don't want the barcode to print you can uncheck the “Include Bar Code” box you will get this error when you click OK: <div data-bbox="492 1054 1252 1388" data-label="Image"> </div> </li> <li>vi. Click OK to continue.</li> </ul> </li> <li>c. <b>CMV negative</b> can be printed. <ul style="list-style-type: none"> <li>i. Click on “Special Testing: General (NCodes)”</li> <li>ii. Select N0008, CMV seronegative</li> <li>iii. Click OK</li> <li>iv. Click OK again</li> </ul> </li> </ul> <p><b>8.4</b> The expiration of the unit and any antigen testing and/or CMV negative will show in the QIV quadrant on the screen.</p> |                     |

| STEPS   | INSTRUCTIONS   | CHANGE/<br>APPROVAL     |       |                   |  |  |          |     |       |       |                   |   |            |   |   |          |             |   |   |          |  |            |   |   |          |             |   |   |          |  |            |   |   |          |             |   |   |          |  |            |   |   |          |             |   |   |          |  |
|---|--|-------------------------|-------|-------------------|--|--|----------|-----|-------|-------|-------------------|---|------------|---|---|----------|-------------|---|---|----------|--|------------|---|---|----------|-------------|---|---|----------|--|------------|---|---|----------|-------------|---|---|----------|--|------------|---|---|----------|-------------|---|---|----------|--|
| <p><b>9.0</b></p>   | <p><b>Are you dividing the unit?</b><br/>           9.1 If No, then go to Step 10.<br/>           9.2 If Yes, then continue to 9.3</p> <p>9.3 Check mark the box for "Divided Unit"<br/>           9.4 Choosing the Divisions:</p> <table border="1" data-bbox="256 520 1318 1369"> <thead> <tr> <th colspan="5">Choosing Division Codes</th> </tr> <tr> <th>Scenario</th> <th>Bag</th> <th>Div 1</th> <th>Div 2</th> <th>New Ecode Example</th> </tr> </thead> <tbody> <tr> <td rowspan="2">Initial split of mother bag<br/><i>Example:</i><br/>Mother bag starts as E0336V00</td> <td>Mother bag</td> <td>A</td> <td>0</td> <td>E0336VA0</td> </tr> <tr> <td>Aliquot bag</td> <td>B</td> <td>0</td> <td>E0336VB0</td> </tr> <tr> <td rowspan="2">2<sup>nd</sup> split from mother bag:<br/>starts as E0336VA0</td> <td>Mother bag</td> <td>A</td> <td>a</td> <td>E0336VAa</td> </tr> <tr> <td>Aliquot bag</td> <td>A</td> <td>b</td> <td>E0336VAb</td> </tr> <tr> <td rowspan="2">3<sup>rd</sup> split from mother bag:<br/>starts as E0336VAa</td> <td>Mother bag</td> <td>A</td> <td>c</td> <td>E0336VAc</td> </tr> <tr> <td>Aliquot bag</td> <td>A</td> <td>d</td> <td>E0336VAd</td> </tr> <tr> <td rowspan="2">4<sup>th</sup> split from mother bag:<br/>starts as E0336VAc</td> <td>Mother bag</td> <td>A</td> <td>e</td> <td>E0336VAe</td> </tr> <tr> <td>Aliquot bag</td> <td>A</td> <td>f</td> <td>E0336VAf</td> </tr> </tbody> </table> <p>Further splits- Continue adding letters to each sequential division</p> <p>See also <a href="#">Attachment 2: Splitting Units Division Codes</a></p> <p>9.5 You will see the updated Ecode display in quadrant QIII.</p> | Choosing Division Codes |       |                   |  |  | Scenario | Bag | Div 1 | Div 2 | New Ecode Example | Initial split of mother bag<br><i>Example:</i><br>Mother bag starts as E0336V00 | Mother bag | A | 0 | E0336VA0 | Aliquot bag | B | 0 | E0336VB0 | 2 <sup>nd</sup> split from mother bag:<br>starts as E0336VA0 | Mother bag | A | a | E0336VAa | Aliquot bag | A | b | E0336VAb | 3 <sup>rd</sup> split from mother bag:<br>starts as E0336VAa | Mother bag | A | c | E0336VAc | Aliquot bag | A | d | E0336VAd | 4 <sup>th</sup> split from mother bag:<br>starts as E0336VAc | Mother bag | A | e | E0336VAe | Aliquot bag | A | f | E0336VAf |  |
| Choosing Division Codes   |  |                         |       |                   |  |  |          |     |       |       |                   |   |            |   |   |          |             |   |   |          |  |            |   |   |          |             |   |   |          |  |            |   |   |          |             |   |   |          |  |            |   |   |          |             |   |   |          |  |
| Scenario  | Bag  | Div 1                   | Div 2 | New Ecode Example |  |  |          |     |       |       |                   |   |            |   |   |          |             |   |   |          |  |            |   |   |          |             |   |   |          |  |            |   |   |          |             |   |   |          |  |            |   |   |          |             |   |   |          |  |
| Initial split of mother bag<br><i>Example:</i><br>Mother bag starts as E0336V00 | Mother bag   | A                       | 0     | E0336VA0          |  |  |          |     |       |       |                   |   |            |   |   |          |             |   |   |          |  |            |   |   |          |             |   |   |          |  |            |   |   |          |             |   |   |          |  |            |   |   |          |             |   |   |          |  |
|   | Aliquot bag  | B                       | 0     | E0336VB0          |  |  |          |     |       |       |                   |   |            |   |   |          |             |   |   |          |  |            |   |   |          |             |   |   |          |  |            |   |   |          |             |   |   |          |  |            |   |   |          |             |   |   |          |  |
| 2 <sup>nd</sup> split from mother bag:<br>starts as E0336VA0                    | Mother bag   | A                       | a     | E0336VAa          |  |  |          |     |       |       |                   |   |            |   |   |          |             |   |   |          |  |            |   |   |          |             |   |   |          |  |            |   |   |          |             |   |   |          |  |            |   |   |          |             |   |   |          |  |
|   | Aliquot bag  | A                       | b     | E0336VAb          |  |  |          |     |       |       |                   |   |            |   |   |          |             |   |   |          |  |            |   |   |          |             |   |   |          |  |            |   |   |          |             |   |   |          |  |            |   |   |          |             |   |   |          |  |
| 3 <sup>rd</sup> split from mother bag:<br>starts as E0336VAa                    | Mother bag   | A                       | c     | E0336VAc          |  |  |          |     |       |       |                   |   |            |   |   |          |             |   |   |          |  |            |   |   |          |             |   |   |          |  |            |   |   |          |             |   |   |          |  |            |   |   |          |             |   |   |          |  |
|   | Aliquot bag  | A                       | d     | E0336VAd          |  |  |          |     |       |       |                   |   |            |   |   |          |             |   |   |          |  |            |   |   |          |             |   |   |          |  |            |   |   |          |             |   |   |          |  |            |   |   |          |             |   |   |          |  |
| 4 <sup>th</sup> split from mother bag:<br>starts as E0336VAc                    | Mother bag   | A                       | e     | E0336VAe          |  |  |          |     |       |       |                   |   |            |   |   |          |             |   |   |          |  |            |   |   |          |             |   |   |          |  |            |   |   |          |             |   |   |          |  |            |   |   |          |             |   |   |          |  |
|   | Aliquot bag  | A                       | f     | E0336VAf          |  |  |          |     |       |       |                   |   |            |   |   |          |             |   |   |          |  |            |   |   |          |             |   |   |          |  |            |   |   |          |             |   |   |          |  |            |   |   |          |             |   |   |          |  |
| <p><b>10.0</b></p>  | <p><b>Print label</b></p> <p>10.1 Enter the number of labels to print (1)<br/>           10.2 Click Print<br/>           10.3 There will be a prompt to enter unit volume in mLs if needed.</p> <ol style="list-style-type: none"> <li>Washed red cells, washed plateletpheresis and deglyced red cells all have a volume of 200mLs</li> <li>Enter the volume and click OK.</li> </ol> <p>10.2 There may also be an Additive volume prompt if needed (i.e. ACDA)</p> <ol style="list-style-type: none"> <li>Enter the volume in mLs from the original bag ISBT label and click OK</li> </ol>   |                         |       |                   |  |  |          |     |       |       |                   |   |            |   |   |          |             |   |   |          |  |            |   |   |          |             |   |   |          |  |            |   |   |          |             |   |   |          |  |            |   |   |          |             |   |   |          |  |

| STEPS | INSTRUCTIONS  | CHANGE/<br>APPROVAL |
|-------|---|---------------------|
| 11.0  | Retrieve 4 x 4 label from ISBT label printer.   |                     |
| 12.0  | <p><b>Examine the label for information needed.</b></p> <p>12.1 If incorrect on label, correct problem and reprint.</p> <p>12.2 If not aligned on label, correct problem and reprint</p> <ul style="list-style-type: none"> <li>a. To adjust alignment use the Offsets X and Y options</li> <li>b. X adjusts the label to move to the right or left in millimeters <ul style="list-style-type: none"> <li>i. For example, an entry of "1.3" will cause the image on the label to be printed shifted 1.3 millimeters to the right.</li> <li>ii. An entry of "-1.3" will cause the image on the label to be printed shifted 1.3 millimeters to the left.</li> </ul> </li> <li>c. Y adjusts the label to move up or down in millimeters <ul style="list-style-type: none"> <li>i. For example, an entry of "1.3" will cause the image on the label to be printed shifted 1.3 millimeters down.</li> <li>ii. An entry of "-1.3" will cause the image on the label to be printed shifted 1.3 millimeters up.</li> </ul> </li> <li>d. Click the Set button to accept the changes to X and/or Y.</li> <li>e. Hit Print button to print again.</li> </ul> <p>12.3 If correct, proceed to component procedure for instructions on labeling prepared product.</p> |                     |
| 13.0  | <p><b>Clear Quadrants</b></p> <p>13.1 If another label needs to be created select "All Quadrants"</p> <ul style="list-style-type: none"> <li>a. Click the Clear button to clear all previous unit information</li> </ul> <p>13.2 If divisions were created previously, manually change the Div 1 and Div 2 options to 0 or new settings. They do not auto clear.</p>  |                     |

### **3.0 Review/Revised/Implemented:**

All procedures must be reviewed according to the Document Change Protocol.  
All new procedures that have major revisions must be signed by the CLIA Director.  
All reviewed procedures with minor revisions can be signed by the designated section Medical Director.

### **4.0 Related Procedures:**

NA

### **5.0 References:**

Hematrax User Manual

### **6.0 Attachments:**

*[Attachment 1: Product Codes for Modification](#)*

*[Attachment 2: Splitting Units Division Codes](#)*

### **7.0 Revised/Reviewed Dates and Signatures:**

See Document Change Control

**Document Change Control**

**Title: Hematrax Standalone ISBT Printer**

Previous title: Hematrax Standalone Printer; Full Face Bar Code ISBT Label (Equipment Manual) and ISBT Bar-Code Label Printing by Hematrax

|                       |          |               |                        |
|-----------------------|----------|---------------|------------------------|
| Written date          | 10/29/09 | Written by    | Randy Puckett/MR Jones |
| Validation date       | 11/4/09  | Validation by | Randy Pucket           |
| Reviewed date         | 11/4/09  | Reviewed by   | G Pomper               |
| Approved date         | 12/13/11 | Approved by   | EFadeyi                |
| Approved date         |          | Approved by   |                        |
| Effective date in use | 3/25/10  | In use by     | Randy Puckett          |

**Revisions**

| Revised Date  | By  | MD Date  | By | MD Date | By              | Review Date | By  | Effective Date | By  |
|---------------|-----|--|----|---------|-----------------|-------------|-----|----------------|-----|
| 2/22/19       | JHS |  |    | 3/5/19  | EF              | 3/5/19      | JHS | 3/6/19         | JHS |
| Validate Date | By  | Revisions: Put into standard format. Printed list of ISBT codes for conversion from SCC and put as Attachment 1. Moved to Front Desk Manual with the downtime procedures for ease of finding.                    |    |         |                 |             |     |                |     |
| 3/5/19        | LA  |  |    |         |                 |             |     |                |     |
| Revised Date  | By  | MD Date  | By | MD Date | By              | Review Date | By  | Effective Date | By  |
| 6/10/20       | JJ  |  |    | 7/13/20 | EP              | 7/16/20     | OSW | 7/21/20        | J   |
| Validate Date | By  | Revisions: added ISBT to name of procedure. Made changes to reflect the updated version: v 9.0. Updated the product expiration table in step 8. Updated Attachment 1 with new product codes. Added attachment 2. |    |         |                 |             |     |                |     |
| 7.1.20        | W   |  |    |         |                 |             |     |                |     |
| Revised Date  | By  | MD Date  | By | MD Date | By              | Review Date | By  | Effective Date | By  |
|               |     |  |    |         |                 |             |     |                |     |
| Validate Date | By  | Revisions:   |    |         |                 |             |     |                |     |
|               |     |  |    |         |                 |             |     |                |     |
| Revised Date  | By  | MD Date  | By | MD Date | By              | Review Date | By  | Effective Date | By  |
|               |     |  |    |         |                 |             |     |                |     |
| Validate Date | By  | Revisions:   |    |         |                 |             |     |                |     |
|               |     |  |    |         |                 |             |     |                |     |
| Locations     |     |  |    |         | Out of Use Date |             |     | By             |     |
|               |     |  |    |         |                 |             |     |                |     |
|               |     |  |    |         | Reason:         |             |     |                |     |

**Reviews: Record Date/Initials**

| Date     | Initials | Date     | Initials | Date | Initials | Date | Initials |
|----------|----------|----------|----------|------|----------|------|----------|
| 11/17/10 | GP       | 11/19/13 | JHS      |      |          |      |          |
| 9/15/13  | GP       | 11/10/15 | JHS      |      |          |      |          |
| 12/14/11 | EF       | 9/21/17  | JHS      |      |          |      |          |



PRODUCT CODES FOR MODIFICATION

| Original Code      | New Product Code options |            |  |  |
|--------------------|--------------------------|------------|--|--|
| Cryoprecipitate    |                          |            |  |  |
| CRY_E5165          | TCRY_E3581               |            |  |  |
| PCRY_E3587         | TPCR_E3591               |            |  |  |
| PCRY_E5621         | TPCR_E6552               |            |  |  |
| TCRY_E3581         | TPCR_E3592               |            |  |  |
| Red cells - Frozen |                          |            |  |  |
| FPC                | DPC                      | IDPC       |  |  |
| FPC1               | DPC                      | IDPC       |  |  |
| FPC2               | DPC                      | IDPC       |  |  |
| FPCLR              | DPCLR                    |            |  |  |
| IFPCL              | IDPCL                    |            |  |  |
| ZRC_E5019          | DRC_E4590                | IDRC_E4585 |  |  |
| ZRC_E5020          | DRC_E4591                | IDRC_E4586 |  |  |
| ZRC_E5079          | DRC_E4520                | IDRC_E4522 |  |  |
| ZRC_E5085          | DRC_E4519                | IDRC_E4521 |  |  |
| ZRC_E5098          | DRC_E4580                | IDRC_E4581 |  |  |
| IZRC_E5081         | IDRC_E4522               |            |  |  |
| IZRC_E5083         | IDRC_E4521               |            |  |  |
| RCZ_E5105          | RCD_E4587                | IDRC_E4582 |  |  |
| RCZ_E5106          | DRC_E4588                | IDRC_E4583 |  |  |
| RCZ_E5107          | DRC_E4589                | IDRC_E4584 |  |  |

| Original Code         | New Product Code options |            |  |  |  |  |
|-----------------------|--------------------------|------------|--|--|--|--|
| Red cells- Deglyced   |                          |            |  |  |  |  |
| DRC_E4519             | IDRC_E4521               |            |  |  |  |  |
| DRC_E4520             | IDRC_E4522               |            |  |  |  |  |
| DRC_E4580             | IDRC_E4581               |            |  |  |  |  |
| DRC_E4588             | IDRC_E4583               |            |  |  |  |  |
| DRC_E4589             | IDRC_E4584               |            |  |  |  |  |
| DRC_E4590             | IDRC_E4585               |            |  |  |  |  |
| DRC_E4591             | IDRC_E4586               |            |  |  |  |  |
| RCD_E4587             | IDRC_E4582               |            |  |  |  |  |
| Platelets- Irradiated |                          |            |  |  |  |  |
| IPL_E2810             | IWPL_E2891               | IPPL_E5229 |  |  |  |  |
| IPL_E2862             | IWPL_E2890               | IPPL_E5225 |  |  |  |  |
| IPL_E2863             | IWPL_E2890               | IPPL_E5228 |  |  |  |  |
| IPL_E3045             | IWPL_E3540               |            |  |  |  |  |
| IPL_E3046             | IWPL_E3541               |            |  |  |  |  |
| IPL_E3047             | IWPL_E3541               |            |  |  |  |  |
| IPL_E3049             | IWPL_E3543               |            |  |  |  |  |
| IPL_E3050             | IWPL_E3544               |            |  |  |  |  |
| IPL_E3051             | IWPL_E3545               |            |  |  |  |  |
| IPL_E3056             | IWPL_E3545               |            |  |  |  |  |
| IPL_E3057             | IWPL_E3544               |            |  |  |  |  |
| IPL_E3058             | IWPL_E3545               |            |  |  |  |  |
| IPL_E3062             | IWPL_E3540               |            |  |  |  |  |
| IPL_E3064             | IWPL_E3550               |            |  |  |  |  |
| IPL_E3065             | IWPL_E3551               |            |  |  |  |  |

| Original Code                 | New Product Code options |           |            |           |  |  |
|-------------------------------|--------------------------|-----------|------------|-----------|--|--|
| Platelets- Irradiated cont... |                          |           |            |           |  |  |
| IPL_E3066                     | IWPL_E3552               |           |            |           |  |  |
| IPL_E3071                     | IWPL_E3550               |           |            |           |  |  |
| IPL_E3072                     | IWPL_E3551               |           |            |           |  |  |
| IPL_E3073                     | IWPL_E3552               |           |            |           |  |  |
| IPL_E4639                     | IWPL_E6407               |           |            |           |  |  |
| IPL_E4640                     | IWPL_E6423               |           |            |           |  |  |
| IPL_E4647                     | IWPL_E6407               |           |            |           |  |  |
| IPL_E4648                     | IWPL_E6364               |           |            |           |  |  |
| IPL_E4650                     | IWPL_E6408               |           |            |           |  |  |
| IPL_E7005                     | IWPL_E3541               |           |            |           |  |  |
| IPL_E7006                     | IWPL_E3543               |           |            |           |  |  |
| IPL_E7007                     | IWPL_E3544               |           |            |           |  |  |
| IPL_E7008                     | IWPL_E3545               |           |            |           |  |  |
| Platelets- Non-Irradiated     |                          |           |            |           |  |  |
| PL_E2817                      | IWPL_E2890               | IPL_E2810 | PPL_E5148  |           |  |  |
| PL_E2860                      | IPL_E2862                | WPL_E2889 | IWPL_E2890 | PPL_E5150 |  |  |
| PL_E2866                      | IPL_E2863                | WPL_E2894 | IWPL_E2891 | PPL_E5147 |  |  |
| PL_E2940                      | IPL_E3045                | WPL_E3539 | IWPL_E3540 |           |  |  |
| PL_E3077                      | IPL_E3046                | WPL_E3556 | IWPL_E3541 |           |  |  |
| PL_E3078                      | IPL_E3047                | WPL_E3556 | IWPL_E3541 |           |  |  |
| PL_E3080                      | IPL_E3049                | WPL_E3558 | IWPL_E3543 |           |  |  |
| PL_E3081                      | IPL_E3050                | WPL_E3559 | IWPL_E3544 |           |  |  |
| PL_E3082                      | IPL_E3051                | WPL_E3560 | IWPL_E3545 |           |  |  |
| PL_E3087                      | IPL_E3056                | WPL_E3558 | IWPL_E3543 |           |  |  |

| Original Code                             | New Product Code options |            |            |  |
|---|--------------------------|------------|------------|--|
| Platelets- Non-Irradiated<br>continued... |                          |            |            |  |
| PL_E3088                                  | IPL_E3057                | WPL_E3559  | IWPL_E3544 |  |
| PL_E3089                                  | IPL_E3058                | WPL_E3560  | IWPL_E3545 |  |
| PL_E3093                                  | IPL_E3062                | WPL_E3539  | IWPL_E3540 |  |
| PL_E3095                                  | WPL_E3565                | IWPL_E3550 | IPL_E3064  |  |
| PL_E3096                                  | IPL_E3065                | WPL_E3566  | IWPL_E3551 |  |
| PL_E3097                                  | IPL_E3066                | WPL_E3567  | IWPL_E3552 |  |
| PL_E3102                                  | IPL_E3071                | WPL_E3565  | IWPL_E3550 |  |
| PL_E3103                                  | IPL_E3072                | WPL_E3566  | IWPL_E3551 |  |
| PL_E3104                                  | IPL_E3073                | WPL_E3567  | IWPL_E3552 |  |
| PL_E4635                                  | IPL_E4639                | WPL_E3539  | IWPL_E3540 |  |
| PL_E4636                                  | IPL_E4640                | WPL_E3565  | IWPL_E6423 |  |
| PL_E4643                                  | IPL_E4647                | WPL_E6409  | IWPL_E6407 |  |
| PL_E4644                                  | WPL_E6363                | IWPL_E6364 | IPL_E4648  |  |
| PL_E4645                                  | IPL_E4649                |            |            |  |
| PL_E4646                                  | IPL_E4650                |            |            |  |
| PL_E7001                                  | IPL_E7005                | IWPL_E3541 | WPL_E3556  |  |
| PL_E7002                                  | IWPL_E3543               | WPL_E3558  | IPL_E7006  |  |
| PL_E7003                                  | IWPL_E3544               | WPL_E3559  | IPL_E7007  |  |
| PL_E7004                                  | WPL_E3560                | IPL_E7008  | IWPL_E3545 |  |
| PL_E7011                                  | IPL_E7012                |            |            |  |
| PL_E8331                                  | WPL_E8695                |            |            |  |
| PL_E8332                                  | WPL_E8696                |            |            |  |
| PL_E8333                                  | WPL_E8697                |            |            |  |
| PL_E8334                                  | WPL_E8698                |            |            |  |

| Original Code                             | New Product Code options |
|---|--------------------------|
| Platelets- Non-Irradiated<br>continued... |                          |
| PL_E8335                                  | WPL_E8727                |
| PL_E8340                                  | WPL_E8695                |
| PL_E8341                                  | WPL_E8696                |
| PL_E8342                                  | WPL_E8697                |
| PL_E8343                                  | WPL_E8698                |
| PL_E8344                                  | WPL_E8727                |
| Platelets- Pooled                         |                          |
| PPL_E2902                                 | IPPPL_E2903              |
| PPL_E5279                                 | IPPPL_E5280              |
| PPL_E6001                                 | IPPPL_E5803              |
| PPL_E6338                                 | IPPPL_E6339              |
| Platelets- Washed                         |                          |
| WPL_E2889                                 | IWPL_E2890               |
| WPL_E2894                                 | IWPL_E2891               |
| WPL_E3539                                 | IWPL_E3540               |
| WPL_E3556                                 | IWPL_E3541               |
| WPL_E3558                                 | IWPL_E3543               |
| WPL_E3559                                 | IWPL_E3544               |
| WPL_E3560                                 | IWPL_E3545               |
| WPL_E3565                                 | IWPL_E3550               |
| WPL_E3566                                 | IWPL_E3551               |
| WPL_E3567                                 | IWPL_E3552               |
| WPL_E4166                                 | IWPL_E4172               |
| WPL_E4167                                 | IWPL_E4137               |
| WPL_E6363                                 | IWPL_E6364               |

| Original Code | New Product Code options |            |            |           |  |  |
|---------------|--------------------------|------------|------------|-----------|--|--|
| Red Cells     |                          |            |            |           |  |  |
| RC_E0150      | RCO_E0154                | WRC_E5160  | IWRC_E5168 | IRC_E0161 |  |  |
| RC_E0164      | IRC_E0162                | IWRC_E5170 | RCO_E0158  | WRC_E5169 |  |  |
| RC_E0167      | RCO_E0171                | IWRC_E5168 | IRC_E0178  | WRC_E5160 |  |  |
| RC_E0181      | RCO_E0175                | WRC_E5169  | IWRC_E5170 | IRC_E0179 |  |  |
| RC_E0195      | RCO_E0199                | WRC_E5160  | IWRC_E5168 | IRC_E0206 |  |  |
| RC_E0209      | RCO_E0203                | WRC_E5169  | IWRC_E5170 | IRC_E0207 |  |  |
| RC_E0212      | RCO_E0216                | WRC_E5160  | IWRC_E5168 | IRC_E0223 |  |  |
| RC_E0226      | RCO_E0220                | WRC_E5169  | IWRC_E5170 | IRC_E0224 |  |  |
| RC_E0229      | RCO_E0233                | WRC_E5160  | IWRC_E5168 | IRC_E0237 |  |  |
| RC_E0244      | IRC_E5246                | WRC_E7587  | IWRC_E7586 |           |  |  |
| RC_E0245      | RCO_E0249                | WRC_E5160  | IWRC_E5168 | IRC_E0256 |  |  |
| RC_E0259      | WRC_E5169                | IWRC_E5170 | IRC_E0257  |           |  |  |
| RC_E0262      | RCO_E0266                | WRC_E5160  | IWRC_E5168 | IRC_E0273 |  |  |
| RC_E0276      | IRC_E0274                | RCO_E0270  | IWRC_E5170 | WRC_E5169 |  |  |
| RC_E0283      | IRC_E5557                | WRC_E7587  | IWRC_E7586 |           |  |  |
| RC_E0291      | RCO_E0295                | IWRC_E5168 | WRC_E5160  | IRC_E0306 |  |  |
| RC_E0311      | RCO_E0301                | WRC_E5169  | IWRC_E5170 | IRC_E0307 |  |  |
| RC_E0316      | IRC_E0331                | RCO_E0320  | IWRC_E5168 | WRC_E5160 |  |  |
| RC_E0336      | RCO_E0326                | IRC_E0332  | IWRC_E5170 | WRC_E5169 |  |  |
| RC_E0341      | IRC_E0356                | RCO_E0345  | IWRC_E5168 | WRC_E5160 |  |  |
| RC_E0361      | RCO_E0351                | IRC_E0357  | IWRC_E5170 | WRC_E5169 |  |  |
| RC_E0366      | IRC_E0378                | WRC_E5160  | IWRC_E5168 | RCO_E0370 |  |  |
| RC_E0382      | RCO_E0375                | WRC_E5169  | IWRC_E5170 | IRC_E0379 |  |  |
| RC_E0385      | RCO_E0389                | WRC_E5160  | IWRC_E5168 | IRC_E0397 |  |  |
| RC_E0401      | WRC_E5169                | IWRC_E5170 | RCO_E0394  | IRC_E0398 |  |  |

| Original Code          | New Product Code options |            |            |            |  |  |
|------------------------|--------------------------|------------|------------|------------|--|--|
| Red Cells continued... |                          |            |            |            |  |  |
| RC_E0404               | RCO_E0408                | WRC_E5160  | IWRC_E5168 | IRC_E0419  |  |  |
| RC_E0424               | RCO_E0414                | IWRC_E5170 | WRC_E5169  | IRC_E0420  |  |  |
| RC_E0463               | RCO_E5809                | IRC_E5070  | WRC_E7587  | IWRC_E7586 |  |  |
| RC_E0465               | RCO_E6471                | IRC_E5248  | WRC_E7587  | IWRC_E7586 |  |  |
| RC_E0467               | IRC_E5250                | WRC_E7587  | IWRC_E7586 |            |  |  |
| RC_E0605               | RCO_E0624                | IRC_E0660  | WRC_E4140  | IWRC_E4143 |  |  |
| RC_E0678               | RCO_E0643                | WRC_E4144  | IWRC_E4145 | IRC_E0661  |  |  |
| RC_E0685               | RCO_E0650                | WRC_E4564  | IWRC_E4560 | IRC_E0668  |  |  |
| RC_E0686               | RCO_E0651                | IWRC_E4561 | WRC_E4565  | IRC_E0669  |  |  |
| RC_E0693               | IRC_E0676                | RCO_E0658  | IWRC_E4562 | WRC_E4566  |  |  |
| RC_E0694               | IRC_E0676                | RCO_E0659  | WRC_E4567  | IWRC_E4563 |  |  |
| RC_E4524               | IRC_E4525                | IWRC_E4143 | WRC_E4140  | RCO_E7767  |  |  |
| RC_E4531               | WRC_E4144                | IRC_E4526  | IWRC_E4145 | RCO_E5812  |  |  |
| RC_E4532               | WRC_E4564                | IRC_E4527  | IWRC_E4560 | RCO_E5778  |  |  |
| RC_E4533               | IWRC_E4561               | IRC_E4528  | WRC_E4565  | RCO_E5787  |  |  |
| RC_E4536               | IWRC_E4143               | IRC_E4537  | WRC_E4140  | RCO_E5790  |  |  |
| RC_E4543               | WRC_E4144                | IRC_E4538  | IWRC_E4145 | RCO_E5708  |  |  |
| RC_E4544               | RCO_E5700                | WRC_E4564  | IWRC_E4560 | IRC_E4539  |  |  |
| RC_E4545               | RCO_E5784                | WRC_E4565  | IWRC_E4561 | IRC_E4540  |  |  |
| RC_E4546               | RCO_E5789                | WRC_E4566  | IWRC_E4562 | IRC_E4541  |  |  |
| RC_E4547               | RCO_E5788                | WRC_E4567  | IWRC_E4563 | IRC_E4542  |  |  |
| RC_E5017               | RCO_E6470                | WRC_E5160  | IWRC_E5168 | IRC_E5067  |  |  |

| Original Code  | New Product Code options |            |           |  |  |
|----------------|--------------------------|------------|-----------|--|--|
| Red Cells- IRR |                          |            |           |  |  |
| IRC_E0161      | IRCO_E0155               | IWRC_E5168 |           |  |  |
| IRC_E0162      | IRCO_E0156               | IWRC_E5170 |           |  |  |
| IRC_E0178      | IRCO_E0172               | IWRC_E5168 |           |  |  |
| IRC_E0179      | IRCO_E0173               | IWRC_E5170 |           |  |  |
| IRC_E0206      | IRCO_E0200               | IWRC_E5168 |           |  |  |
| IRC_E0207      | IRCO_E0201               | IWRC_E5170 |           |  |  |
| IRC_E0223      | IRCO_E0217               | IWRC_E5168 |           |  |  |
| IRC_E0224      | IRCO_E0218               | IWRC_E5170 | WBR_E5797 |  |  |
| IRC_E0237      | IRCO_E0234               | IWRC_E5168 |           |  |  |
| IRC_E0256      | IRCO_E0250               | IWRC_E5168 |           |  |  |
| IRC_E0257      | IRCO_E0251               | IWRC_E5170 |           |  |  |
| IRC_E0273      | IRCO_E0267               | IWRC_E5168 |           |  |  |
| IRC_E0274      | IRCO_E0268               | IWRC_E5170 |           |  |  |
| IRC_E0306      | IRCO_E0296               | IWRC_E5168 |           |  |  |
| IRC_E0307      | IRCO_E0297               | IWRC_E5170 |           |  |  |
| IRC_E0331      | IRCO_E0321               | IWRC_E5168 |           |  |  |
| IRC_E0332      | IRCO_E0322               | IWRC_E5170 |           |  |  |
| IRC_E0356      | IRCO_E0346               | IWRC_E5168 |           |  |  |
| IRC_E0357      | IRCO_E0347               | IWRC_E5170 |           |  |  |
| IRC_E0378      | IRCO_E0371               | IWRC_E5168 |           |  |  |
| IRC_E0379      | IRCO_E0372               | IWRC_E5170 |           |  |  |
| IRC_E0397      | IRCO_E0390               | IWRC_E0472 |           |  |  |
| IRC_E0398      | IRCO_E0391               | IWRC_E0473 |           |  |  |
| IRC_E0419      | IRCO_E0409               | IWRC_E0483 |           |  |  |
| IRC_E0420      | IRCO_E0410               | IWRC_E0484 |           |  |  |



| Original Code               | New Product Code options |            |  |  |  |  |
|-----------------------------|--------------------------|------------|--|--|--|--|
| Red Cells- IRR continued... |                          |            |  |  |  |  |
| IRC_E0660                   | IWRC_E4143               | IRCO_E0625 |  |  |  |  |
| IRC_E0661                   | IRCO_E0626               | IWRC_E4145 |  |  |  |  |
| IRC_E0664                   | IRCO_E0629               | IWRC_E4561 |  |  |  |  |
| IRC_E0668                   | IRCO_E0633               | IWRC_E4560 |  |  |  |  |
| IRC_E0669                   | IRCO_E0634               | IWRC_E4561 |  |  |  |  |
| IRC_E0676                   | IRCO_E0641               | IWRC_E4562 |  |  |  |  |
| IRC_E0677                   | IRCO_E0642               | IWRC_E4563 |  |  |  |  |
| IRC_E4525                   | IWRC_E4143               | IRCO_E7768 |  |  |  |  |
| IRC_E4526                   | IWRC_E4145               | IRCO_E5816 |  |  |  |  |
| IRC_E4527                   | IWRC_E4560               | IRCO_E5817 |  |  |  |  |
| IRC_E4528                   | IRCO_E5783               | IWRC_E4561 |  |  |  |  |
| IRC_E4537                   | IRCO_E5823               | IWRC_E4143 |  |  |  |  |
| IRC_E4538                   | IRCO_E5704               | IWRC_E4145 |  |  |  |  |
| IRC_E4539                   | IRCO_E5701               | IWRC_E4560 |  |  |  |  |
| IRC_E4540                   | IRCO_E5793               | IWRC_E4561 |  |  |  |  |
| IRC_E4541                   | IRCO_E5785               | IWRC_E4562 |  |  |  |  |
| IRC_E4542                   | IRCO_E5791               | IWRC_E4563 |  |  |  |  |
| IRC_E5067                   | IWRC_E5168               |            |  |  |  |  |
| IRC_E5070                   | IWRC_E7586               |            |  |  |  |  |
| IRC_E5246                   | IWRC_E7586               |            |  |  |  |  |
| IRC_E5248                   | IWRC_E7586               |            |  |  |  |  |
| IRC_E5250                   | IWRC_E7586               |            |  |  |  |  |
| IRC_E5557                   | IWRC_E7586               |            |  |  |  |  |

| Original Code        | New Product Code options |  |  |  |  |  |  |  |  |  |
|----------------------|--------------------------|--|--|--|--|--|--|--|--|--|
| Red Cells- IRR, Open |                          |  |  |  |  |  |  |  |  |  |
| IRCO_E0155           | IWRC_E5168               |  |  |  |  |  |  |  |  |  |
| IRCO_E0156           | IWRC_E5170               |  |  |  |  |  |  |  |  |  |
| IRCO_E0172           | IWRC_E5168               |  |  |  |  |  |  |  |  |  |
| IRCO_E0173           | IWRC_E5170               |  |  |  |  |  |  |  |  |  |
| IRCO_E0200           | IWRC_E5168               |  |  |  |  |  |  |  |  |  |
| IRCO_E0201           | IWRC_E5170               |  |  |  |  |  |  |  |  |  |
| IRCO_E0217           | IWRC_E5168               |  |  |  |  |  |  |  |  |  |
| IRCO_E0218           | IWRC_E5170               |  |  |  |  |  |  |  |  |  |
| IRCO_E0234           | IWRC_E5168               |  |  |  |  |  |  |  |  |  |
| IRCO_E0250           | IWRC_E5168               |  |  |  |  |  |  |  |  |  |
| IRCO_E0251           | IWRC_E5170               |  |  |  |  |  |  |  |  |  |
| IRCO_E0267           | IWRC_E5168               |  |  |  |  |  |  |  |  |  |
| IRCO_E0268           | IWRC_E5170               |  |  |  |  |  |  |  |  |  |
| IRCO_E0296           | IWRC_E5168               |  |  |  |  |  |  |  |  |  |
| IRCO_E0297           | IWRC_E5170               |  |  |  |  |  |  |  |  |  |
| IRCO_E0321           | IWRC_E5168               |  |  |  |  |  |  |  |  |  |
| IRCO_E0322           | IWRC_E5170               |  |  |  |  |  |  |  |  |  |
| IRCO_E0346           | IWRC_E5168               |  |  |  |  |  |  |  |  |  |
| IRCO_E0347           | IWRC_E5170               |  |  |  |  |  |  |  |  |  |
| IRCO_E0349           | IWRC_E5168               |  |  |  |  |  |  |  |  |  |
| IRCO_E0371           | IWRC_E5168               |  |  |  |  |  |  |  |  |  |
| IRCO_E0372           | IWRC_E5170               |  |  |  |  |  |  |  |  |  |
| IRCO_E0390           | IWRC_E5168               |  |  |  |  |  |  |  |  |  |
| IRCO_E0391           | IWRC_E5170               |  |  |  |  |  |  |  |  |  |

| Original Code                        | New Product Code options |  |  |  |  |
|--------------------------------------|--------------------------|--|--|--|--|
| Red Cells- IRR, Open<br>continued... |                          |  |  |  |  |
| IRCO_E0409                           | IWRC_E0483               |  |  |  |  |
| IRCO_E0410                           | IWRC_E0484               |  |  |  |  |
| IRCO_E0625                           | IWRC_E4143               |  |  |  |  |
| IRCO_E0626                           | IWRC_E4145               |  |  |  |  |
| IRCO_E0628                           | IWRC_E4560               |  |  |  |  |
| IRCO_E0629                           | IWRC_E4561               |  |  |  |  |
| IRCO_E0633                           | IWRC_E4560               |  |  |  |  |
| IRCO_E0634                           | IWRC_E4561               |  |  |  |  |
| IRCO_E0641                           | IWRC_E4562               |  |  |  |  |
| IRCO_E0642                           | IWRC_E4563               |  |  |  |  |
| IRCO_E5068                           | IWRC_E5170               |  |  |  |  |
| IRCO_E5701                           | IWRC_E4560               |  |  |  |  |
| IRCO_E5704                           | IWRC_E4145               |  |  |  |  |
| IRCO_E5783                           | IWRC_E4561               |  |  |  |  |
| IRCO_E5785                           | IWRC_E4562               |  |  |  |  |
| IRCO_E5791                           | IWRC_E4563               |  |  |  |  |
| IRCO_E5793                           | IWRC_E4561               |  |  |  |  |
| IRCO_E5816                           | IWRC_E4145               |  |  |  |  |
| IRCO_E5817                           | IWRC_E4560               |  |  |  |  |
| IRCO_E5823                           | IWRC_E4143               |  |  |  |  |
| IRCO_E7768                           | IWRC_E4143               |  |  |  |  |

| Original Code   | New Product Code options |            |            |  |
|-----------------|--------------------------|------------|------------|--|
| Red Cells- Open |                          |            |            |  |
| RCO_E0154       | IRCO_E0155               | WRC_E5160  | IWRC_E5168 |  |
| RCO_E0158       | IRCO_E0156               | WRC_E5169  | IWRC_E5170 |  |
| RCO_E0171       | IRCO_E0172               | IWRC_E5168 | WRC_E5160  |  |
| RCO_E0175       | IRCO_E0173               | IWRC_E5170 | WRC_E5169  |  |
| RCO_E0199       | IRCO_E0200               | WRC_E5160  | IWRC_E5168 |  |
| RCO_E0203       | IRCO_E0201               | WRC_E5169  | IWRC_E5170 |  |
| RCO_E0216       | IRCO_E0217               | WRC_E5160  | IWRC_E5168 |  |
| RCO_E0220       | IRCO_E0218               | WRC_E5169  | IWRC_E5170 |  |
| RCO_E0233       | IRCO_E0234               | IWRC_E5168 | WRC_E5160  |  |
| RCO_E0249       | IRCO_E0250               | WRC_E5160  | IWRC_E5168 |  |
| RCO_E0253       | IRCO_E0251               | WRC_E5169  | IWRC_E5170 |  |
| RCO_E0266       | IRCO_E0267               | WRC_E5160  | IWRC_E5168 |  |
| RCO_E0270       | IRCO_E0268               | IWRC_E5170 | WRC_E5169  |  |
| RCO_E0295       | IRCO_E0296               | IWRC_E5168 | WRC_E5160  |  |
| RCO_E0301       | IRCO_E0297               | IWRC_E5170 | WRC_E5169  |  |
| RCO_E0320       | IRCO_E0321               | IWRC_E5168 | WRC_E5160  |  |
| RCO_E0326       | IRCO_E0322               | IWRC_E5170 | WRC_E5169  |  |
| RCO_E0345       | IRCO_E0346               | IWRC_E5168 | WRC_E5160  |  |
| RCO_E0351       | IRCO_E0347               | IWRC_E5170 | WRC_E5169  |  |
| RCO_E0354       | IWRC_E5168               | WRC_E5160  | IRCO_E0349 |  |
| RCO_E0370       | IWRC_E5168               |            |            |  |
| RCO_E0375       | IRCO_E0372               | IWRC_E5170 | WRC_E5169  |  |
| RCO_E0389       | IRCO_E0390               | WRC_E5160  | IWRC_E5168 |  |
| RCO_E0394       | IRCO_E0391               | WRC_E5169  | IWRC_E5170 |  |
| RCO_E0408       | IRCO_E0409               | WRC_E5160  | IWRC_E5168 |  |

| Original Code                   | New Product Code options |            |            |  |
|---------------------------------|--------------------------|------------|------------|--|
| Red Cells- Open<br>continued... |                          |            |            |  |
| RCO_E0414                       | IRCO_E0410               | WRC_E5169  | IWRC_E5170 |  |
| RCO_E0624                       | IWRC_E4143               | WRC_E4140  | IRCO_E0625 |  |
| RCO_E0643                       | IRCO_E0626               | IWRC_E4145 | WRC_E4144  |  |
| RCO_E0650                       | IRCO_E0633               | IWRC_E4560 | WRC_E4564  |  |
| RCO_E0651                       | IRCO_E0634               | IWRC_E4561 | WRC_E4565  |  |
| RCO_E0658                       | IRCO_E0641               | IWRC_E4562 | WRC_E4566  |  |
| RCO_E0659                       | IRCO_E0642               | WRC_E5160  | IWRC_E5168 |  |
| RCO_E5700                       | IRCO_E5701               | WRC_E4564  | IWRC_E4560 |  |
| RCO_E5708                       | IRCO_E5704               |            |            |  |
| RCO_E5778                       | IRCO_E5817               | WRC_E4564  | IWRC_E4560 |  |
| RCO_E5784                       | IRCO_E5793               | WRC_E4565  | IWRC_E4561 |  |
| RCO_E5787                       | IRCO_E5783               | WRC_E4565  | IWRC_E4561 |  |
| RCO_E5788                       | IRCO_E5791               | IWRC_E4563 | WRC_E4567  |  |
| RCO_E5789                       | IRCO_E5785               | IWRC_E4562 | WRC_E4566  |  |
| RCO_E5790                       | IRCO_E5823               | IWRC_E4143 | WRC_E4140  |  |
| RCO_E5809                       | WRC_E7587                | IWRC_E7586 |            |  |
| RCO_E5812                       | IRCO_E5816               | WRC_E4144  | IWRC_E4145 |  |
| RCO_E6470                       | WRC_E7587                | IWRC_E7586 | IRCO_E5068 |  |
| RCO_E6471                       | WRC_E7587                | IWRC_E7586 |            |  |
| RCO_E7767                       | IRCO_E7768               | WRC_E4140  | IWRC_E4143 |  |

| Original Code    | New Product Code options |            |            |  |  |
|------------------|--------------------------|------------|------------|--|--|
| Red Cells-Washed |                          |            |            |  |  |
| WRC_E0471        | IWRC_E0472               |            |            |  |  |
| WRC_E4140        | IWRC_E4143               |            |            |  |  |
| WRC_E4144        | IWRC_E4143               |            |            |  |  |
| WRC_E4564        | IWRC_E4560               |            |            |  |  |
| WRC_E4565        | IWRC_E4561               |            |            |  |  |
| WRC_E4566        | IWRC_E4562               |            |            |  |  |
| WRC_E4567        | IWRC_E4563               |            |            |  |  |
| WRC_E5169        | IWRC_E5170               |            |            |  |  |
| WRC_E7587        | IWRC_E7586               |            |            |  |  |
| Whole Blood- IRR |                          |            |            |  |  |
| IWB_E0017        | IRCO_E0155               | IWRC_E5168 | IRC_E0161  |  |  |
| IWB_E0018        | IRCO_E0156               | IRC_E0162  | IWRC_E5170 |  |  |
| IWB_E0031        | IRCO_E0172               | IWRC_E5168 | IRC_E0178  |  |  |
| IWB_E0032        | IRCO_E0173               | IWRC_E5170 | IRC_E0179  |  |  |
| IWB_E0061        | IRCO_E0200               | IWRC_E5168 | IRC_E0206  |  |  |
| IWB_E0062        | IWRC_E5170               | IRC_E0207  | IRCO_E0201 |  |  |
| IWB_E0076        | IRCO_E0217               | IWRC_E5168 | IRC_E0223  |  |  |
| IWB_E0077        | IRCO_E0218               | IWRC_E5170 | IRC_E0224  |  |  |
| IWB_E0090        | IWRC_E5168               | IRC_E0237  | IRCO_E0234 |  |  |
| IWB_E0106        | IRCO_E0250               | IWRC_E5168 | IRC_E0256  |  |  |
| IWB_E0107        | IRCO_E0251               | IWRC_E5170 | IRC_E0257  |  |  |
| IWB_E0120        | IRCO_E0267               | IWRC_E5168 | IRC_E0273  |  |  |
| IWB_E0121        | IRCO_E0268               | IRC_E0274  | IWRC_E5170 |  |  |
| IWB_E5013        | IWRC_E5168               | IRC_E5067  |            |  |  |
| IWB_E5015        | IWRC_E5168               | IRC_E5246  |            |  |  |
| IWB_E5564        | IWRC_E5168               | IRC_E5557  |            |  |  |

| Original Code  | New Product Code options |           |           |            |            |            |  |  |
|----------------|--------------------------|-----------|-----------|------------|------------|------------|--|--|
| Whole Blood    |                          |           |           |            |            |            |  |  |
| WB_E0009       | RC_E0150                 | RCO_E0154 | IRC_E0161 | IRCO_E0155 | IWB_E0017  | WRC_E5160  |  |  |
| WB_E0019       | RC_E0164                 | RCO_E0158 | WRC_E5169 | IRC_E0162  | IWB_E0018  | IRCO_E0156 |  |  |
| WB_E0023       | RC_E0167                 | RCO_E0171 | WRC_E5160 | IWB_E0031  |            |            |  |  |
| WB_E0033       | RC_E0181                 | RCO_E0175 | IWB_E0032 | WRC_E5169  | IRC_E0179  | IRCO_E0173 |  |  |
| WB_E0052       | RC_E5017                 | RCO_E6470 | IWB_E5013 | WRC_E5160  | IRC_E5067  | IRCO_E5068 |  |  |
| WB_E0053       | RC_E0195                 | RCO_E0199 | WRC_E5160 | IRC_E0206  | IRCO_E0200 | IWB_E0061  |  |  |
| WB_E0063       | RC_E0209                 | RCO_E0203 | IWB_E0062 | WRC_E5169  | IRC_E0207  | IRCO_E0201 |  |  |
| WB_E0068       | RC_E0212                 | RCO_E0216 | WRC_E5160 | IRC_E0223  | IRCO_E0217 | IWB_E0076  |  |  |
| WB_E0078       | RC_E0226                 | RCO_E0220 | IWB_E0077 | WRC_E5169  | IRC_E0224  | IRCO_E0218 |  |  |
| WB_E0082       | RC_E0229                 | RCO_E0233 | IWB_E0090 | WRC_E5160  | IRC_E0237  | IRCO_E0234 |  |  |
| WB_E0097       | RC_E0244                 | IWB_E5015 | WRC_E5160 |            |            |            |  |  |
| WB_E0098       | RC_E0245                 | RCO_E0249 | WRC_E5160 | IRCO_E0250 | IRC_E0256  | IWB_E0106  |  |  |
| WB_E0108       | RC_E0259                 | RCO_E0253 | IWB_E0107 | WRC_E5169  |            |            |  |  |
| WB_E0112       | RC_E0262                 | RCO_E0266 | WRC_E5160 | IRC_E0273  | IRCO_E0267 | IWB_E0120  |  |  |
| WB_E0122       | RC_E0276                 | IWB_E0121 | IRC_E0274 | IRCO_E0268 | RCO_E0270  | WRC_E5169  |  |  |
| WB_E0130       | RC_E0283                 | WRC_E5160 | IWB_E5564 | IRC_E5557  |            |            |  |  |
| Liquid Plasma  |                          |           |           |            |            |            |  |  |
| PSM_E2457      | IPSM_E2462               |           |           |            |            |            |  |  |
| PSM_E2463      | IPSM_E2468               |           |           |            |            |            |  |  |
| PSM_E2469      | IPSM_E2474               |           |           |            |            |            |  |  |
| Plasma- Thawed |                          |           |           |            |            |            |  |  |
| TPSM_E2121     | TPPS_E6489               |           |           |            |            |            |  |  |
| TPSM_E2260     | TPPS_B0104               |           |           |            |            |            |  |  |
| TPSM_E2266     | TPPS_B0105               |           |           |            |            |            |  |  |
| TPSM_E2684     | TPPS_E6141               |           |           |            |            |            |  |  |
| TPSM_E2700     | TPPS_E5304               |           |           |            |            |            |  |  |

| Original Code          | New Product Code options |  |  |  |  |  |
|------------------------|--------------------------|--|--|--|--|--|
| Plasma- Thawed cont... |                          |  |  |  |  |  |
| TPSM_E2701             | TPPS_E5275               |  |  |  |  |  |
| TPSM_E2702             | TPPS_E7046               |  |  |  |  |  |
| TPSM_E2718             | TPPS_E5306               |  |  |  |  |  |
| TPSM_E2719             | TPPS_E5307               |  |  |  |  |  |
| TPSM_E2720             | TPPS_E6036               |  |  |  |  |  |
| TPSM_E2736             | TPPS_E5305               |  |  |  |  |  |
| TPSM_E2737             | TPPS_E5308               |  |  |  |  |  |
| TPSM_E7731             | TPPS_E8565               |  |  |  |  |  |
| TPSM_E7750             | TPPS_B0101               |  |  |  |  |  |
| TPSM_E7751             | TPPS_B0102               |  |  |  |  |  |
| TPSM_E7752             | TPPS_B0103               |  |  |  |  |  |
| Plasma- Frozen         |                          |  |  |  |  |  |
| ZFFPA                  | TPSMA                    |  |  |  |  |  |
| ZFFPC                  | TPSMC                    |  |  |  |  |  |
| ZFFP_E0701             | TPSM_E2684               |  |  |  |  |  |
| ZFFP_E0707             | TPSM_E2702               |  |  |  |  |  |
| ZFFP_E0713             | TPSM_E2720               |  |  |  |  |  |
| ZFFP_E0869             | TPSM_E2121               |  |  |  |  |  |
| ZFFP_E0898             | TPSM_E2260               |  |  |  |  |  |
| ZFFP_E0900             | TPSM_E2266               |  |  |  |  |  |
| ZFFP_E4689             | TPSM_E5548               |  |  |  |  |  |
| ZFFP_E4693             | TPSM_E5549               |  |  |  |  |  |
| ZPSM_E1624             | TPSM_E2284               |  |  |  |  |  |
| ZPSM_E2528             | TPSM_E2684               |  |  |  |  |  |
| ZPSM_E2553             | TPSM_E2700               |  |  |  |  |  |



| Original Code           |            | New Product Code options |  |
|-------------------------|------------|--------------------------|--|
| Plasma - Frozen cont... |            |                          |  |
| ZPSM_E2555              | TPSM_E2701 |                          |  |
| ZPSM_E2585              | TPSM_E2718 |                          |  |
| ZPSM_E2587              | TPSM_E2719 |                          |  |
| ZPSM_E2617              | TPSM_E2736 |                          |  |
| ZPSM_E2619              | TPSM_E2737 |                          |  |
| ZPSM_E7644              | TPSM_E7731 |                          |  |
| ZPSM_E7646              | TPSM_E7750 |                          |  |
| ZPSM_E7648              | TPSM_E7751 |                          |  |
| ZPSM_E7650              | TPSM_E7752 |                          |  |
| ZPSM_E9735              | TPSM_E9780 |                          |  |
| ZPSM_E9736              | TPSM_E9781 |                          |  |
| ZPSM_E9747              | TPSM_E9752 |                          |  |
| ZPSM_E9754              | TPSM_E9762 |                          |  |
| ZPSM_E9755              | TPSM_E9763 |                          |  |
| ZPSM_E9756              | TPSM_E9764 |                          |  |
| Granulocytes            |            |                          |  |
| GRN_E3673               | IGRN_E3678 |                          |  |

Key:









**Product codes:**

|                |                         |
|----------------|-------------------------|
| CRY / CR       | Cryoprecipitate         |
| RC / PC        | Red Cells/ Packed Cells |
| GRN            | Granulocytes            |
| PL             | Platelet                |
| WB             | Whole Blood             |
| PSM / FFP / PS | Plasma                  |

**Descriptive codes:**

|    |              |   |        |
|----|--------------|---|--------|
| D  | Deglyced     | W | Washed |
| LR | Leukoreduced | Z | Frozen |
| I  | Irradiated   | P | Pooled |
| O  | Open system  | T | Thawed |

### Splitting Units Division Codes

| Split                 | Starting Bag code  | Splits into | "Mother bag" code  | Pedi aliquot code   |
|-----------------------|--------------------|-------------|--|---|
| 1 <sup>st</sup> split | 00<br>"Mother bag" | →           | A0<br>   | B0<br>   |
| ↓                     |                    |             |  |   |
| 2 <sup>nd</sup> split | A0<br>"Mother bag" | →           | Aa<br>   | Ab<br>   |
| ↓                     |                    |             |  |   |
| 3 <sup>rd</sup> split | Aa<br>"Mother bag" | →           | Ac<br> | Ad<br> |
| ↓                     |                    |             |  |   |
| 4 <sup>th</sup> split | Ac<br>"Mother bag" | →           | Ae<br> | Af<br> |