

Module: biospecimens

Module Contents

block-prod

1. [CENTER_NO \(PK*\)](#)
2. [BLOCK_PROD_CID \(PK*\)](#)
3. [BLOCK_SPEC_CID](#)
4. [IS_DISPATCHABLE](#)
5. [IS_DEPLETED](#)
6. [BLOCK_PROD_TYPE](#)
7. [COUNT_ORIG](#)
8. [COUNT_REM](#)
9. [COUNT_REM_DISP](#)
10. [LOCATION](#)
11. [THICKNESS](#)
12. [DIGITAL_IMAGE](#)

| | | | |
|----------------------------------------------------------------------------------------------|------------------------|--------------|----------------|
| 1 | CENTER_NO (PK*) | number (2,0) | Required: true |
| Center Identification Number. *CENTER_NO + BLOCK_PROD_CID are the primary key for the table. | | | |

| Allowable Values | |
|------------------|----------------------------------|
| 11 | Cancer Care Ontario |
| 12 | USC Consortium |
| 13 | University of Melbourne |
| 14 | Cancer Research Center of Hawaii |
| 15 | Mayo Clinic |
| 16 | Fred Hutchinson, Seattle |
| 17 | Northern California (NCCC) |

| | | | |
|---------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|-------------|----------------|
| 2 | BLOCK_PROD_CID (PK*) | string (17) | Required: true |
| Unique local identifier used at a center to uniquely identify a block. *CENTER_NO + BLOCK_PROD_CID are the primary key for the table. | | | |

| | | | |
|----------------------------------------------------------------------------------------|-----------------------|-------------|----------------|
| 3 | BLOCK_SPEC_CID | string (17) | Required: true |
| Unique local identifier used at a center to uniquely identify a block tissue specimen. | | | |

| | | | |
|---------------------------------------------------------------------------------------------|------------------------|--------------|----------------|
| 4 | IS_DISPATCHABLE | number (1,0) | Required: true |
| Indicates whether the center is willing to dispatch the material to external investigators. | | | |

| Allowable Values | |
|------------------|-----|
| 1 | Yes |
| 2 | No |

Error Description

If IS_DEPLETED = 1, IS_DISPATCHABLE must be 2

| | | | |
|------------------------------------------------------------------------------------------------|--------------------|--------------|----------------|
| 5 | IS_DEPLETED | number (1,0) | Required: true |
| Indicates whether the material has been depleted through testing, processing, and dispatching. | | | |

| Allowable Values | |
|------------------|--|
|------------------|--|

| | |
|---|-----|
| 1 | Yes |
| 2 | No |

| | | | |
|-----------------------|------------------------|--------------|----------------|
| 6 | BLOCK_PROD_TYPE | number (1,0) | Required: true |
| Type of block product | | | |

| Allowable Values | |
|------------------|------------------------------------------------------------------------|
| 1 | Single H and E slide |
| 2 | Set of H and E slides with the same basic properties |
| 3 | Single uncoated (i.e. uncharged) slide |
| 4 | Set of uncoated (i.e. uncharged) slides with the same basic properties |
| 5 | Single coated (i.e. charged) slide |
| 6 | Set of coated (i.e. charged) slides with the same basic properties |
| 7 | Single section tube |
| 8 | Set of section tubes |

| | | | |
|---------------------------------------------------------------------------------------|-------------------|--------------|----------------|
| 7 | COUNT_ORIG | number (4,0) | Required: true |
| Original number of slides or section tubes in the group corresponding to this record. | | | |

| Error Description |
|--------------------------------------------------|
| COUNT_ORIG must be greater or equal to COUNT_REM |

| | | | |
|--------------------------------------------------------------------------------------|------------------|--------------|----------------|
| 8 | COUNT_REM | number (4,0) | Required: true |
| Current number of slides or section tubes in the group corresponding to this record. | | | |

| Error Description |
|----------------------------------------------------|
| COUNT_REM must be less than or equal to COUNT_ORIG |

| | | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------|----------------|
| 9 | COUNT_REM_DISP | number (4,0) | Required: true |
| Current number of slides or section tubes in the group corresponding to this record remaining at the time of transmission that is available for dispatch (excludes material held in reserve). | | | |

| Error Description |
|--------------------------------------------------------|
| COUNT_REM_DISP must be less than or equal to COUNT_REM |

| | | | |
|------------------------------|-----------------|--------------|----------------|
| 10 | LOCATION | number (1,0) | Required: true |
| Storage site for a specimen. | | | |

| Allowable Values | |
|------------------|----------------|
| 1 | Center |
| 4 | Multiple Sites |
| | |

9 Unknown/lost

Error Description

If BLOCK_PROD_TYPE in (1,3,5,7), LOCATION must not equal 4

11

THICKNESS

number (6,2)

Required: false

Thickness of section or sections in microns.

12

DIGITAL_IMAGE

number (1,0)

Required: false

Flag indicating a digital image of the H & E slide is available

Allowable Values

1 Yes

Error Description

If BLOCK_PROD_TYPE not in (1,2), DIGITAL_IMAGE must be null

Module: biospecimens

Module Contents

block-spec

1. [CENTER_NO \(*PK\)](#)
2. [PERSON_ID](#)
3. [TUMOR_NO](#)
4. [BLOCK_SPEC_CID \(*PK\)](#)
5. [FRESH_SPEC_CID](#)
6. [BLOCK_CUSTODY](#)
7. [BLOCK_SOURCE](#)
8. [COLLECTION_CID](#)
9. [DATE_RECEIVED](#)
10. [DATE_TAKEN](#)
11. [IS_DEPLETED](#)
12. [TISSUE_TYPE](#)
13. [POLYP_NO](#)
14. [PATH_REPORT_RECEIVED](#)

| | | | |
|----------------------------------------------------------------------------------------------|------------------------|--------------|----------------|
| 1 | CENTER_NO (*PK) | number (2,0) | Required: true |
| Center Identification Number. *CENTER_NO + BLOCK_SPEC_CID are the primary key for the table. | | | |

| | |
|------------------|----------------------------------|
| Allowable Values | |
| 11 | Cancer Care Ontario |
| 12 | USC Consortium |
| 13 | University of Melbourne |
| 14 | Cancer Research Center of Hawaii |
| 15 | Mayo Clinic |
| 16 | Fred Hutchinson, Seattle |
| 17 | Northern California (NCCC) |

| | | | |
|------------------------------------------------|------------------|-------------|----------------|
| 2 | PERSON_ID | string (12) | Required: true |
| Number that uniquely identifies an individual. | | | |

| | | | |
|-------------------------------------------------------------------------------------------------------------------------|-----------------|--------------|-----------------|
| 3 | TUMOR_NO | number (2,0) | Required: false |
| Sequential number, starting with "1", assigned to each tumor for a given individual when entered into the local system. | | | |

| | |
|----------------------------------------------------|-------------------------------------------------------------|
| Allowable Values | |
| 1 to 99 or -9, -15 | Range |
| 1, 2, 3, ... | Number of tumor on cancer table. |
| -9 | NA/Out of scope: Tissue is not cancer or contiguous adenoma |
| -15 | Information Unknown |
| Error Description | |
| If TISSUE_TYPE is 1 or 4 TUMOR_NO must not be null | |

| | | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|-------------|----------------|
| 4 | BLOCK_SPEC_CID (*PK) | string (15) | Required: true |
| Unique local identifier used at a center to uniquely identify a block tissue specimen. *CENTER_NO + BLOCK_SPEC_CID are the primary key for the table. | | | |

| | | | |
|----------------------------------------------------------------------------------------|-----------------------|------------|----------------|
| 5 | FRESH_SPEC_CID | string (9) | Required:false |
| Unique local identifier used at a center to uniquely identify a fresh tissue specimen. | | | |

| | | | |
|---------------------------------------------------------------------------------|----------------------|--------------|---------------|
| 6 | BLOCK_CUSTODY | number (2,0) | Required:true |
| Indicates whether or not the center is currently in custody of tissue specimen. | | | |

Allowable Values

1 Yes

2 No

9 Not Known

| | | | |
|----------------------------------------------------------------------------------------------------------------|---------------------|-------------|---------------|
| 7 | BLOCK_SOURCE | string (16) | Required:true |
| The tissue source or origin in as much detail as is known. For tumor tissue, ICD-O-3 site code should be used. | | | |

| | | | |
|-------------------------------------------------------------------------|-----------------------|-------------|---------------|
| 8 | COLLECTION_CID | string (30) | Required:true |
| Identifier used internally by centers to denote a unique surgical event | | | |

| | | | |
|---------------------------------------------------------------------|----------------------|------------|---------------|
| 9 | DATE_RECEIVED | string (8) | Required:true |
| Date specimen was received into the laboratory of a CRC-CFR center. | | | |

| |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Date Value Check |
| The date must follow to the following format: Format YYYYMMDD. Must consist of valid date. Components of date should be right justified and zero filled. MM = 01 - 12, 88, 99 DD = 01 - 31, 88, 99 YYYY = Minimum year - system date year, 8888, 9999 Use 88, 8888 for not currently known, in progress to obtain information. Use 99, 9999 for not known. If century is known, but year is unknown then give an estimate of year or code YYYY = 9999. If MM = 99 then DD must = 99. If century is known, but year is unknown then give an estimate of year or code YYYY = 9999. If YYYY = 9999 then MM and DD must = 99. |
| The following special parameters are used: |
| 1980 Minimum year |

Error Description

must be a valid date of format with minimum year of 1980

DATE_RECEIVED must be greater or equal to DATE_TAKEN

| | | | |
|---------------------------------------|-------------------|------------|---------------|
| 10 | DATE_TAKEN | string (8) | Required:true |
| Date specimen was taken from patient. | | | |

| |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Date Value Check |
| The date must follow to the following format: Format YYYYMMDD. Must consist of valid date. Components of date should be right justified and zero filled. MM = 01 - 12, 88, 99 DD = 01 - 31, 88, 99 |

YYYY = **Minimum year** - system date year, 8888, 9999
 Use 88, 8888 for not currently known, in progress to obtain information.
 Use 99, 9999 for not known.
 If century is known, but year is unknown then give an estimate of year or code YYYY = 9999.
 If MM = 99 then DD must = 99.
 If century is known, but year is unknown then give an estimate of year or code YYYY = 9999.
 If YYYY = 9999 then MM and DD must = 99.

The following special parameters are used:

| | |
|-------------|--------------|
| 1970 | Minimum year |
|-------------|--------------|

| Error Description |
|----------------------------------------------------------|
| must be a valid date of format with minimum year of 1970 |
| DATE_TAKEN must be less than or equal to DATE_RECEIVED |

| | | | |
|------------------------------------------------------------------------------------------------|--------------------|--------------|----------------|
| 11 | IS_DEPLETED | number (1,0) | Required: true |
| Indicates whether the material has been depleted through testing, processing, and dispatching. | | | |

| Allowable Values | |
|------------------|-----|
| 1 | Yes |
| 2 | No |

| | | | |
|-----------------------------------|--------------------|--------------|----------------|
| 12 | TISSUE_TYPE | number (1,0) | Required: true |
| Type of tissue specimen received. | | | |

| Allowable Values | |
|------------------|-----------------------|
| 1 | Tumor |
| 2 | Prophylactic material |
| 3 | Normal tissue |
| 4 | Tumor + normal tissue |
| 5 | Polyp + normal tissue |
| 6 | Polyp |
| 9 | Not Known |

| | | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|--------------|-----------------|
| 13 | POLYP_NO | number (2,0) | Required: false |
| Sequential number over range of 1 to 3 to distinguish a polyp removed on a particular date. The tuple PERSON_ID, DATE_COLLECTED, and POLYP_NO uniquely identify a physical polyp globally within the CFR database. | | | |

| Allowable Values | |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| -9 | NA/Out of scope. Tissue is not a polyp |
| -1 | Polyp has IHC/MSI result but center is currently unable to locate polyp pathology information. Center review to obtain this information is currently underway |

| Error Description |
|----------------------------------------------------|
| If TISSUE_TYPE is 5 or 6 POLYP_NO must not be null |

14

PATH_REPORT_RECEIVED

number (1,0)

Required:false

Indicates whether a pathology report has been received for subject/specimen.

Allowable Values

1 Yes

2 No

9 Not Known

Module: biospecimens

Module Contents

blood-prod

1. [CENTER_NO \(*PK\)](#)
2. [BLOOD_PROD_CID \(*PK\)](#)
3. [BLOOD_PROD_TYPE](#)
4. [BLOOD_SPEC_CID](#)
5. [IS_DISPATCHABLE](#)
6. [IS_DEPLETED](#)
7. [COUNT_ORIG](#)
8. [COUNT_REM](#)
9. [COUNT_REM_DISP](#)
10. [LOCATION](#)
11. [DATE_TIME_PROCESSED](#)
12. [AMT_ORIG](#)
13. [AMT_REM](#)
14. [AMT_REM_DISP](#)
15. [VC_TUBE_TYPE](#)
16. [FREEZE_COUNT](#)

| | | | |
|----------------------------------------------------------------------------------------------|------------------------|--------------|----------------|
| 1 | CENTER_NO (*PK) | number (2,0) | Required: true |
| Center Identification Number. *CENTER_NO + BLOOD_PROD_CID are the primary key for the table. | | | |

| Allowable Values | |
|------------------|----------------------------------|
| 11 | Cancer Care Ontario |
| 12 | USC Consortium |
| 13 | University of Melbourne |
| 14 | Cancer Research Center of Hawaii |
| 15 | Mayo Clinic |
| 16 | Fred Hutchinson, Seattle |
| 17 | Northern California (NCCC) |

| | | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|-------------|----------------|
| 2 | BLOOD_PROD_CID (*PK) | string (16) | Required: true |
| Identifier used internally by centers for a product from a blood draw. This identifier will correspond to a single aliquot if the center individually tracks such materials. Alternatively, the identifier will correspond to a group of related aliquots (e.g. all plasma vials from the same draw) in the case where the center does not track each material independently. *CENTER_NO + BLOOD_PROD_CID are the primary key for the table. | | | |

| | | | |
|-----------------------|------------------------|--------------|----------------|
| 3 | BLOOD_PROD_TYPE | number (2,0) | Required: true |
| Type of blood product | | | |

| Allowable Values | |
|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | Single aliquot of whole blood |
| 2 | Set of aliquots of whole blood with the same basic properties |
| 3 | Single aliquot of whole blood in DMSO |
| 4 | Set of aliquots of whole blood in DMSO with the same basic properties |
| 5 | Single aliquot of white blood cells. Refers specifically to lymphocytes isolated using a Ficoll-Histopaque gradient centrifugation, resuspended in freeze medium and cryopreserved |
| 6 | Set of white blood cells. Refers specifically to lymphocytes isolated using a Ficoll-Histopaque gradient centrifugation, resuspended in freeze medium and cryopreserved |
| 7 | Single aliquot of buffy coat |

| | |
|----|--------------------------------------------------------------|
| 8 | Set of aliquots of buffy coat with the same basic properties |
| 9 | Single aliquot of plasma |
| 10 | Set of aliquots of plasma with the same basic properties |
| 11 | Total spotted blood volume (i.e. on Guthrie cards) |
| 12 | Single lymphocyte pellet |
| 13 | Set of lymphocyte pellets with the same properties |
| 14 | Single white blood cell pellet |
| 15 | Set of white blood cell pellets with the same properties |
| 16 | Single granulocyte pellet |
| 17 | Set of granulocyte pellets with the same basic properties |

| | | | |
|----------------------------------------------------------------------------------------|-----------------------|-------------|----------------|
| 4 | BLOOD_SPEC_CID | string (15) | Required: true |
| Unique local identifier used at a center to uniquely identify a blood tissue specimen. | | | |

| | | | |
|---------------------------------------------------------------------------------------------|------------------------|--------------|----------------|
| 5 | IS_DISPATCHABLE | number (1,0) | Required: true |
| Indicates whether the center is willing to dispatch the material to external investigators. | | | |

| Allowable Values | |
|------------------|-----|
| 1 | Yes |
| 2 | No |

Error Description
If IS_DEPLETED = 1, IS_DISPATCHABLE must be 2

| | | | |
|---------------------------------------------------------------------------------------------|--------------------|--------------|----------------|
| 6 | IS_DEPLETED | number (1,0) | Required: true |
| Indicates whether the center is willing to dispatch the material to external investigators. | | | |

| Allowable Values | |
|------------------|-----|
| 1 | Yes |
| 2 | No |

| | | | |
|-------------------------------------------------------------------------|-------------------|--------------|-----------------|
| 7 | COUNT_ORIG | number (4,0) | Required: false |
| Original number of aliquots in the group corresponding to this record.. | | | |

Error Description
If BLOOD_PROD_TYPE is not 11, COUNT_ORIG must not be null
If BLOOD_PROD_TYPE is in (1,3,5,7,9,12,13,16), COUNT_ORIG must be 1

| | | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------|------------------|--------------|-----------------|
| 8 | COUNT_REM | number (4,0) | Required: false |
| Current number of aliquots in the group corresponding to this record remaining at the time of transmission (includes material held in reserve). | | | |

Error Description

BLOOD_PROD_TYPE is not 11, must not be null

must be less than or equal to COUNT_ORIG

COUNT_REM_DISP

number (4,0)

Required: false

9

Current number of aliquots in the group corresponding to this record remaining at the time of transmission that are available for dispatch (excludes material held in reserve).

Error Description

If BLOOD_PROD_TYPE is not 11, then COUNT_REM_DISP must not be null

COUNT_REM_DISP must be less than or equal to COUNT_REM

LOCATION

number (1,0)

Required: false

10

Storage site for a specimen.

Allowable Values

1 Center

2 CORIELL

3 SAIC

4 Multiple Sites

9 Unknown/lost

Error Description

If BLOOD_PROD_TYPE is in (1,3,5,7,12,14,16), then LOCATION does not equal 4

DATE_TIME_PROCESSED

number (12,0)

Required: false

11

Records the date and time sample was processed

AMT_ORIG

number (6,2)

Required: false

12

Original amount of material in milliliters.

Allowable Values

0 to 9999.99 or -9 Range

-9 Unknown quantity

Error Description

If BLOOD_PROD_TYPE = 11, then AMT_ORIG must not be null

AMT_REM

number (6,2)

Required: false

13

Amount of material remaining at time of reporting in milliliters (includes material held in reserve).

Allowable Values

| | |
|--------------------|------------------|
| 0 to 9999.99 or -9 | Range |
| | |
| -9 | Unknown quantity |

| Error Description |
|--------------------------------------------------------|
| If BLOOD_PROD_TYPE = 11, then AMT_REM must not be null |
| AMT_REM must be less than or equal to AMT_ORIG |

| | | | |
|--------------------------------------------------------------------------------------------------------------------------------------|---------------------|--------------|-----------------|
| 14 | AMT_REM_DISP | number (6,2) | Required: false |
| Amount of material remaining at time of reporting in milliliters that is available for dispatch (excludes material held in reserve). | | | |

| | |
|--------------------|------------------|
| Allowable Values | |
| 0 to 9999.99 or -9 | Range |
| | |
| -9 | Unknown quantity |

| Error Description |
|-------------------------------------------------------------|
| If BLOOD_PROD_TYPE = 11, then AMT_REM_DISP must not be null |
| AMT_REM_DISP must be less than or equal to AMT_ORIG |

| | | | |
|------------------------|---------------------|--------------|-----------------|
| 15 | VC_TUBE_TYPE | number (1,0) | Required: false |
| Vacuum tube type used. | | | |

| | |
|------------------|---------------------------|
| Allowable Values | |
| 1 | EDTA |
| 2 | ACD |
| 3 | Heparin |
| 4 | SST |
| 5 | Plain tube (no additives) |
| 9 | Unknown |

| Error Description |
|--------------------------------------------------------------------------|
| If BLOOD_PROD_TYPE does not equal 11, then VC_TUBE_TYPE must not be null |

| | | | |
|--------------------------------------------------------------------------|---------------------|--------------|-----------------|
| 16 | FREEZE_COUNT | number (1,0) | Required: false |
| Number of times sample tube has been frozen" – the default value is "1". | | | |

| | |
|------------------|---------|
| Allowable Values | |
| 1 to 9 or -9 | Range |
| | |
| -9 | Unknown |

| Error Description |
|------------------------------------------------------------------------|
| If BLOOD_PROD_TYPE is not equal 11, then FREEZE_COUNT must not be null |

Module: biospecimens

Module Contents

blood-spec

1. [CENTER_NO \(*PK\)](#)
2. [PERSON_ID](#)
3. [BLOOD_SPEC_CID \(*PK\)](#)
4. [DATE_RECEIVED](#)
5. [DATE_TAKEN](#)

| | | | |
|----------------------------------------------------------------------------------------------|------------------------|--------------|----------------|
| 1 | CENTER_NO (*PK) | number (2,0) | Required: true |
| Center Identification Number. *CENTER_NO + BLOOD_SPEC_CID are the primary key for the table. | | | |

| Allowable Values | |
|------------------|----------------------------------|
| 11 | Cancer Care Ontario |
| 12 | USC Consortium |
| 13 | University of Melbourne |
| 14 | Cancer Research Center of Hawaii |
| 15 | Mayo Clinic |
| 16 | Fred Hutchinson, Seattle |
| 17 | Northern California (NCCC) |

| | | | |
|------------------------------------------------|------------------|-------------|----------------|
| 2 | PERSON_ID | string (12) | Required: true |
| Number that uniquely identifies an individual. | | | |

| | | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|-------------|----------------|
| 3 | BLOOD_SPEC_CID (*PK) | string (15) | Required: true |
| Unique local identifier used at a center to uniquely identify a blood tissue specimen. *CENTER_NO + BLOOD_SPEC_CID are the primary key for the table. | | | |

| | | | |
|---------------------------------------------------------------------|----------------------|------------|----------------|
| 4 | DATE_RECEIVED | string (8) | Required: true |
| Date specimen was received into the laboratory of a CRC-CFR center. | | | |

| Date Value Check | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|--------------|
| The date must follow to the following format: Format YYYYMMDD. Must consist of valid date. Components of date should be right justified and zero filled. MM = 01 - 12, 88, 99 DD = 01 - 31, 88, 99 YYYY = Minimum year - system date year, 8888, 9999 Use 88, 8888 for not currently known, in progress to obtain information. Use 99, 9999 for not known. If century is known, but year is unknown then give an estimate of year or code YYYY = 9999. If MM = 99 then DD must = 99. If century is known, but year is unknown then give an estimate of year or code YYYY = 9999. If YYYY = 9999 then MM and DD must = 99. The following special parameters are used: | | |
| <table border="1"><tr><td>1980</td><td>Minimum year</td></tr></table> | 1980 | Minimum year |
| 1980 | Minimum year | |

| Error Description |
|----------------------------------------------------------|
| must be a valid date of format with minimum year of 1980 |

DATE_RECEIVED must be greater or equal to DATE_TAKEN

DATE_TAKEN

string (8)

Required:false

5

Date specimen was taken from patient.

Date Value Check

The date must follow to the following format:

Format YYYYMMDD. Must consist of valid date.

Components of date should be right justified and zero filled.

MM = 01 - 12, 88, 99

DD = 01 - 31, 88, 99

YYYY = **Minimum year** - system date year, 8888, 9999

Use 88, 8888 for not currently known, in progress to obtain information.

Use 99, 9999 for not known.

If century is known, but year is unknown then give an estimate of year or code YYYY = 9999.

If MM = 99 then DD must = 99.

If century is known, but year is unknown then give an estimate of year or code YYYY = 9999.

If YYYY = 9999 then MM and DD must = 99.

The following special parameters are used:

1980

Minimum year

Error Description

must be a valid date of format with minimum year of 1980

Module: biospecimens

Module Contents

dispatch

1. [CENTER_NO \(*PK\)](#)
2. [DISPATCH_CID \(*PK\)](#)
3. [DISPATCH_DATE](#)

| | | | |
|--------------------------------------------------------------------------------------------|------------------------|--------------|----------------|
| 1 | CENTER_NO (*PK) | number (2,0) | Required: true |
| Center Identification Number. *CENTER_NO + DISPATCH_CID are the primary key for the table. | | | |

| Allowable Values | |
|------------------|----------------------------------|
| 11 | Cancer Care Ontario |
| 12 | USC Consortium |
| 13 | University of Melbourne |
| 14 | Cancer Research Center of Hawaii |
| 15 | Mayo Clinic |
| 16 | Fred Hutchinson, Seattle |
| 17 | Northern California (NCCC) |

| | | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|-------------|----------------|
| 2 | DISPATCH_CID (*PK) | string (30) | Required: true |
| Center specific identifier used by centers for tracking a dispatch of biospecimens. *CENTER_NO + DISPATCH_CID are the primary key for the table. | | | |

| | | | |
|-------------------------|----------------------|------------|----------------|
| 3 | DISPATCH_DATE | string (8) | Required: true |
| Date specimen was sent. | | | |

| Date Value Check | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|----------------------------------------------------------|
| <p>The date must follow to the following format:</p> <p>Format YYYYMMDD. Must consist of valid date. Components of date should be right justified and zero filled. MM = 01 - 12, 88, 99 DD = 01 - 31, 88, 99 YYYY = Minimum year - system date year, 8888, 9999 Use 88, 8888 for not currently known, in progress to obtain information. Use 99, 9999 for not known. If century is known, but year is unknown then give an estimate of year or code YYYY = 9999. If MM = 99 then DD must = 99. If century is known, but year is unknown then give an estimate of year or code YYYY = 9999. If YYYY = 9999 then MM and DD must = 99.</p> <p>The following special parameters are used:</p> <table border="1"><tr><td>1980</td><td>Minimum year</td></tr></table> | 1980 | Minimum year |
| 1980 | Minimum year | |
| <table border="1"><thead><tr><th>Error Description</th></tr></thead><tbody><tr><td>must be a valid date of format with minimum year of 1980</td></tr></tbody></table> | Error Description | must be a valid date of format with minimum year of 1980 |
| Error Description | | |
| must be a valid date of format with minimum year of 1980 | | |

Module: biospecimens

Module Contents

dispatch-application

1. [CENTER_NO](#)
2. [DISPATCH_CID](#)
3. [DISPATCH_APPLICATION_CID](#)

| 1 | CENTER_NO | number (2,0) | Required: true | | | | | | | | | | | | | | | | |
|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|----------------|------------------|--|----|---------------------|----|----------------|----|-------------------------|----|----------------------------------|----|-------------|----|--------------------------|----|----------------------------|
| | Center Identification Number | | | | | | | | | | | | | | | | | | |
| | <table border="1"><thead><tr><th colspan="2">Allowable Values</th></tr></thead><tbody><tr><td>11</td><td>Cancer Care Ontario</td></tr><tr><td>12</td><td>USC Consortium</td></tr><tr><td>13</td><td>University of Melbourne</td></tr><tr><td>14</td><td>Cancer Research Center of Hawaii</td></tr><tr><td>15</td><td>Mayo Clinic</td></tr><tr><td>16</td><td>Fred Hutchinson, Seattle</td></tr><tr><td>17</td><td>Northern California (NCCC)</td></tr></tbody></table> | | | Allowable Values | | 11 | Cancer Care Ontario | 12 | USC Consortium | 13 | University of Melbourne | 14 | Cancer Research Center of Hawaii | 15 | Mayo Clinic | 16 | Fred Hutchinson, Seattle | 17 | Northern California (NCCC) |
| Allowable Values | | | | | | | | | | | | | | | | | | | |
| 11 | Cancer Care Ontario | | | | | | | | | | | | | | | | | | |
| 12 | USC Consortium | | | | | | | | | | | | | | | | | | |
| 13 | University of Melbourne | | | | | | | | | | | | | | | | | | |
| 14 | Cancer Research Center of Hawaii | | | | | | | | | | | | | | | | | | |
| 15 | Mayo Clinic | | | | | | | | | | | | | | | | | | |
| 16 | Fred Hutchinson, Seattle | | | | | | | | | | | | | | | | | | |
| 17 | Northern California (NCCC) | | | | | | | | | | | | | | | | | | |
| 2 | DISPATCH_CID | string (40) | Required: true | | | | | | | | | | | | | | | | |
| | Center specific identifier used by centers for tracking a dispatch of biospecimens. | | | | | | | | | | | | | | | | | | |
| 3 | DISPATCH_APPLICATION_CID | string (40) | Required: true | | | | | | | | | | | | | | | | |
| | Unique identifier for a Data/BioSpecimen Request. | | | | | | | | | | | | | | | | | | |

Module: biospecimens

Module Contents

dispatch-item

1. [CENTER_NO \(*PK\)](#)
2. [DISPATCH_CID](#)
3. [DISPATCH_ITEM_CID \(*PK\)](#)
4. [BLOCK_PROD_CID](#)
5. [BLOOD_PROD_CID](#)
6. [FRESH_PROD_CID](#)
7. [LCL_CID](#)
8. [NUC_ACID_CID](#)
9. [AMT_UNIT](#)
10. [AMT_VALUE](#)

| 1 | CENTER_NO (*PK) | number (2,0) | Required: true | | | | | | | | | | | | | | | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|--------------|-----------------|------------------|--|----|---------------------|----|----------------|----|-------------------------|----|----------------------------------|----|-------------|----|--------------------------|----|----------------------------|
| Center Identification Number. *CENTER_NO + DISPATCH_ITEM_CID are the primary key for the table. | | | | | | | | | | | | | | | | | | | |
| <table border="1"><thead><tr><th colspan="2">Allowable Values</th></tr></thead><tbody><tr><td>11</td><td>Cancer Care Ontario</td></tr><tr><td>12</td><td>USC Consortium</td></tr><tr><td>13</td><td>University of Melbourne</td></tr><tr><td>14</td><td>Cancer Research Center of Hawaii</td></tr><tr><td>15</td><td>Mayo Clinic</td></tr><tr><td>16</td><td>Fred Hutchinson, Seattle</td></tr><tr><td>17</td><td>Northern California (NCCC)</td></tr></tbody></table> | | | | Allowable Values | | 11 | Cancer Care Ontario | 12 | USC Consortium | 13 | University of Melbourne | 14 | Cancer Research Center of Hawaii | 15 | Mayo Clinic | 16 | Fred Hutchinson, Seattle | 17 | Northern California (NCCC) |
| Allowable Values | | | | | | | | | | | | | | | | | | | |
| 11 | Cancer Care Ontario | | | | | | | | | | | | | | | | | | |
| 12 | USC Consortium | | | | | | | | | | | | | | | | | | |
| 13 | University of Melbourne | | | | | | | | | | | | | | | | | | |
| 14 | Cancer Research Center of Hawaii | | | | | | | | | | | | | | | | | | |
| 15 | Mayo Clinic | | | | | | | | | | | | | | | | | | |
| 16 | Fred Hutchinson, Seattle | | | | | | | | | | | | | | | | | | |
| 17 | Northern California (NCCC) | | | | | | | | | | | | | | | | | | |
| 2 | DISPATCH_CID | string (40) | Required: true | | | | | | | | | | | | | | | | |
| Center specific identifier used by centers for tracking a dispatch of biospecimens. | | | | | | | | | | | | | | | | | | | |
| 3 | DISPATCH_ITEM_CID (*PK) | string (40) | Required: true | | | | | | | | | | | | | | | | |
| Center specific identifier used by centers for tracking a dispatch of individual biospecimens. *CENTER_NO + DISPATCH_ITEM_CID are the primary key for the table. | | | | | | | | | | | | | | | | | | | |
| 4 | BLOCK_PROD_CID | string (18) | Required: false | | | | | | | | | | | | | | | | |
| Unique local identifier used at a center to uniquely identify a block. | | | | | | | | | | | | | | | | | | | |
| 5 | BLOOD_PROD_CID | string (12) | Required: false | | | | | | | | | | | | | | | | |
| Identifier used internally by centers for a product from a blood draw. | | | | | | | | | | | | | | | | | | | |
| 6 | FRESH_PROD_CID | string (10) | Required: false | | | | | | | | | | | | | | | | |
| Identifier used internally by centers for a product of a fresh tissue specimen. | | | | | | | | | | | | | | | | | | | |
| 7 | LCL_CID | string (11) | Required: false | | | | | | | | | | | | | | | | |
| Identifier used internally by centers for a lymphocytic cell line transformation or expansion. | | | | | | | | | | | | | | | | | | | |
| 8 | NUC_ACID_CID | string (12) | Required: false | | | | | | | | | | | | | | | | |
| Identifier used internally by centers for a nucleic acid sample from a single extraction. | | | | | | | | | | | | | | | | | | | |
| 9 | AMT_UNIT | number (2,0) | Required: true | | | | | | | | | | | | | | | | |
| Unit of measure for the biospecimen dispatched | | | | | | | | | | | | | | | | | | | |

Allowable Values

- 1 count (slide, tube, plate)
- 2 sets (set of slides, tubes)
- 3 weight in milligrams, mg
- 4 weight in micrograms, ug
- 5 volume in milliliters, ml
- 6 volume in microliters, ul

Error Description

- If BLOCK_PROD_CID is not null, AMT_UNIT must be 1 or 2
- If BLOOD_PROD_CID is not null, AMT_UNIT must be 1,2,5 or 6
- If FRESH_PROD_CID is not null, AMT_UNIT must be 3,4
- If NUC_ACID_CID is not null, AMT_UNIT must be 4

| | | | |
|----------------------------------------|------------------|---------------|----------------|
| 10 | AMT_VALUE | number (11,4) | Required: true |
| Numerical value for unites in AMT_UNIT | | | |

| | |
|---------------------------------|---------|
| Allowable Values | |
| 0 to 9999999.9999 or -99 | Range |
| | |
| -99 | Unknown |

Module: biospecimens

Module Contents

fresh-prod

1. [CENTER_NO \(*PK\)](#)
2. [FRESH_PROD_CID \(*PK\)](#)
3. [FRESH_SPEC_CID](#)
4. [IS_DISPATCHABLE](#)
5. [IS_DEPLETED](#)
6. [FRESH_PROD_TYPE](#)
7. [COUNT_ORIG](#)
8. [COUNT_REM](#)
9. [COUNT_REM_DISP](#)
10. [STORAGE_TEMP](#)
11. [LOCATION](#)

| | | | |
|----------------------------------------------------------------------------------------------|------------------------|--------------|----------------|
| 1 | CENTER_NO (*PK) | number (2,0) | Required: true |
| Center Identification Number. *CENTER_NO + FRESH_PROD_CID are the primary key for the table. | | | |

| Allowable Values | |
|------------------|----------------------------------|
| 11 | Cancer Care Ontario |
| 12 | USC Consortium |
| 13 | University of Melbourne |
| 14 | Cancer Research Center of Hawaii |
| 15 | Mayo Clinic |
| 16 | Fred Hutchinson, Seattle |
| 17 | Northern California (NCCC) |

| | | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|-------------|----------------|
| 2 | FRESH_PROD_CID (*PK) | string (12) | Required: true |
| Identifier used internally by centers for a product of a fresh tissue specimen or group of fresh tissue specimens. *CENTER_NO + FRESH_PROD_CID are the primary key for the table. | | | |

| | | | |
|----------------------------------------------------------------------------------------|-----------------------|------------|----------------|
| 3 | FRESH_SPEC_CID | string (9) | Required: true |
| Unique local identifier used at a center to uniquely identify a fresh tissue specimen. | | | |

| | | | |
|---------------------------------------------------------------------------------------------|------------------------|--------------|----------------|
| 4 | IS_DISPATCHABLE | number (1,0) | Required: true |
| Indicates whether the center is willing to dispatch the material to external investigators. | | | |

| Allowable Values | |
|------------------|-----|
| 1 | Yes |
| 2 | No |

Error Description

If IS_DEPLETED = 1, IS_DISPATCHABLE must be 2

| | | | |
|------------------------------------------------------------------------------------------------|--------------------|--------------|----------------|
| 5 | IS_DEPLETED | number (1,0) | Required: true |
| Indicates whether the material has been depleted through testing, processing, and dispatching. | | | |

| Allowable Values | |
|------------------|-----|
| 1 | Yes |

| | |
|---|----|
| 2 | No |
|---|----|

| | | | |
|--------------------------------------|------------------------|--------------|----------------|
| 6 | FRESH_PROD_TYPE | number (1,0) | Required: true |
| Type of fresh frozen tissues product | | | |

- | Allowable Values | |
|------------------|------------------------------|
| 1 | Fresh frozen |
| 2 | Fresh frozen |
| 3 | Embedded in OCT, then frozen |

| | | | |
|---------------------------------------------------------------------|-------------------|--------------|----------------|
| 7 | COUNT_ORIG | number (4,0) | Required: true |
| Original number of tubes in the group corresponding to this record. | | | |

| Error Description |
|--------------------------------------------------|
| COUNT_ORIG must be greater or equal to COUNT_REM |

| | | | |
|----------------------------------------------------------------------------------------------------------------------------------------------|------------------|--------------|----------------|
| 8 | COUNT_REM | number (4,0) | Required: true |
| Current number of tubes in the group corresponding to this record remaining at the time of transmission (includes material held in reserve). | | | |

| Error Description |
|----------------------------------------------------|
| COUNT_REM must be less than or equal to COUNT_ORIG |

| | | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------|----------------|
| 9 | COUNT_REM_DISP | number (4,0) | Required: true |
| Current number of tubes in the group corresponding to this record remaining at the time of transmission that is available for dispatch (excludes material held in reserve). | | | |

| Error Description |
|--------------------------------------------------------|
| COUNT_REM_DISP must be less than or equal to COUNT_REM |

| | | | |
|-----------------------------------------------|---------------------|--------------|-----------------|
| 10 | STORAGE_TEMP | number (1,0) | Required: false |
| Storage temperature for fresh frozen specimen | | | |

- | Allowable Values | |
|------------------|---------------------------------------|
| 1 | -20 °C |
| 2 | -80 °C |
| 3 | Liquid nitrogen (smaller than -140°C) |

| | | | |
|------------------------------|-----------------|--------------|-----------------|
| 11 | LOCATION | number (1,0) | Required: false |
| Storage site for a specimen. | | | |

- | Allowable Values | |
|------------------|--------|
| 1 | Center |

| | |
|----------|----------------|
| 2 | CORIELL |
| 3 | SAIC |
| 4 | Multiple Sites |
| 9 | Unknown/lost |

Module: biospecimens

Module Contents

fresh-spec

1. [CENTER_NO \(*PK\)](#)
2. [PERSON_ID](#)
3. [TUMOR_NO](#)
4. [POLYP_NO](#)
5. [FRESH_SPEC_CID \(*PK\)](#)
6. [DATE_TAKEN](#)
7. [COLLECTION_CID](#)
8. [NORMAL_ONLY](#)
9. [FRESH_SOURCE](#)
10. [PATH_REPORT_RECEIVED](#)

| | | | |
|----------------------------------------------------------------------------------------------|------------------------|--------------|----------------|
| 1 | CENTER_NO (*PK) | number (2,0) | Required: true |
| Center Identification Number. *CENTER_NO + FRESH_SPEC_CID are the primary key for the table. | | | |

| Allowable Values | |
|------------------|----------------------------------|
| 11 | Cancer Care Ontario |
| 12 | USC Consortium |
| 13 | University of Melbourne |
| 14 | Cancer Research Center of Hawaii |
| 15 | Mayo Clinic |
| 16 | Fred Hutchinson, Seattle |
| 17 | Northern California (NCCC) |

| | | | |
|------------------------------------------------|------------------|-------------|----------------|
| 2 | PERSON_ID | string (12) | Required: true |
| Number that uniquely identifies an individual. | | | |

| | | | |
|-------------------------------------------------------------------------------------------------------------------------|-----------------|--------------|-----------------|
| 3 | TUMOR_NO | number (2,0) | Required: false |
| Sequential number, starting with "1", assigned to each tumor for a given individual when entered into the local system. | | | |

| Allowable Values | |
|--------------------|-------------------------------------------------------------|
| 1 to 99 or -9, -15 | Range |
| 1, 2, 3, ... | Number of tumor on cancer table |
| -9 | NA/Out of scope: Tissue is not cancer or contiguous adenoma |
| -15 | Information Unknown |

| Error Description |
|-------------------------------------------|
| If NORMAL_ONLY = 1, TUMOR_NO must be null |

| | | | |
|---------------------------------------------------------------------------------------------|-----------------|--------------|-----------------|
| 4 | POLYP_NO | number (1,0) | Required: false |
| Sequential number over range of 1 to 3 to distinguish a polyp removed on a particular date. | | | |

| Allowable Values | |
|------------------|-------|
| 1 to 3 or -9, -1 | Range |

| | |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| -9 | NA/Out of scope. Tissue is not a polyp |
| -1 | Polyp has IHC/MSI result but center is currently unable to locate polyp pathology information. Center review to obtain this information is currently underway |

Error Description

If NORMAL_ONLY is 1, POLYP_NO must be null

| | | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|------------|----------------|
| 5 | FRESH_SPEC_CID (*PK) | string (9) | Required: true |
| Unique local identifier used at a center to uniquely identify a fresh tissue specimen. *CENTER_NO + FRESH_SPEC_CID are the primary key for the table. | | | |

| | | | |
|--------------------------------------|-------------------|------------|----------------|
| 6 | DATE_TAKEN | string (8) | Required: true |
| Date specimen was taken from patient | | | |

Date Value Check

The date must follow to the following format:

Format YYYYMMDD. Must consist of valid date.
 Components of date should be right justified and zero filled.
 MM = 01 - 12, 88, 99
 DD = 01 - 31, 88, 99
 YYYY = **Minimum year** - system date year, 8888, 9999
 Use 88, 8888 for not currently known, in progress to obtain information.
 Use 99, 9999 for not known.
 If century is known, but year is unknown then give an estimate of year or code YYYY = 9999.
 If MM = 99 then DD must = 99.
 If century is known, but year is unknown then give an estimate of year or code YYYY = 9999.
 If YYYY = 9999 then MM and DD must = 99.

The following special parameters are used:

| | |
|-------------|--------------|
| 1980 | Minimum year |
|-------------|--------------|

Error Description

must be a valid date of format with minimum year of 1980

| | | | |
|-------------------------------------------------------------------------|-----------------------|-------------|----------------|
| 7 | COLLECTION_CID | string (10) | Required: true |
| Identifier used internally by centers to denote a unique surgical event | | | |

| | | | |
|------------------------------------------------------------------|--------------------|--------------|----------------|
| 8 | NORMAL_ONLY | number (1,0) | Required: true |
| Indicates that the specimen/product contains only normal tissue. | | | |

| Allowable Values | |
|------------------|-----|
| 1 | Yes |
| 2 | No |

Error Description

If TUMOR_NO not null, NORMAL_ONLY must be 2

If POLYP_NO not null, must be 2

| | | | |
|-----------------------------------------------------------------------------------------------|---------------------|-------------|-----------------|
| 9 | FRESH_SOURCE | string (21) | Required: false |
| Source or origin in as much detail as is known. For tumors, ICD-O-3 site code should be used. | | | |

| 10 | PATH_REPORT_RECEIVED | number (1,0) | Required: false | | | | | | | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|--------------|-----------------|------------------|--|---|-----|---|----|---|-----------|
| Indicates whether a pathology report has been received for subject specimen. | | | | | | | | | | | |
| <table border="1"><thead><tr><th colspan="2">Allowable Values</th></tr></thead><tbody><tr><td>1</td><td>Yes</td></tr><tr><td>2</td><td>No</td></tr><tr><td>9</td><td>Not Known</td></tr></tbody></table> | | | | Allowable Values | | 1 | Yes | 2 | No | 9 | Not Known |
| Allowable Values | | | | | | | | | | | |
| 1 | Yes | | | | | | | | | | |
| 2 | No | | | | | | | | | | |
| 9 | Not Known | | | | | | | | | | |

Module: biospecimens

Module Contents

Icl-prod

1. [CENTER_NO \(*PK\)](#)
2. [PERSON_ID](#)
3. [LCL_CID \(*PK\)](#)
4. [LCL_PROD_TYPE](#)
5. [LCL_TYPE_REM](#)
6. [LCL_DISCARDED](#)
7. [LCL_MYCOPLASMA](#)
8. [LCL_RECOVERY](#)
9. [GENERATION](#)
10. [LCL_CID_SOURCE](#)
11. [BLOOD_PROD_CID](#)
12. [IS_DISPATCHABLE](#)
13. [LOCATION](#)
14. [LCL_COUNT](#)
15. [LCL_COUNT_REM](#)
16. [DATE_FROZEN](#)

| 1 | CENTER_NO (*PK) | number (2,0) | Required: true | | | | | | | | | | | | | | | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|--------------|-----------------|------------------|--|----|---------------------|----|----------------|----|-------------------------|----|----------------------------------|----|-------------|----|--------------------------|----|----------------------------|
| Center Identification Number. *CENTER_NO + LCL_CID are the primary key for the table. | | | | | | | | | | | | | | | | | | | |
| <table border="1"><thead><tr><th colspan="2">Allowable Values</th></tr></thead><tbody><tr><td>11</td><td>Cancer Care Ontario</td></tr><tr><td>12</td><td>USC Consortium</td></tr><tr><td>13</td><td>University of Melbourne</td></tr><tr><td>14</td><td>Cancer Research Center of Hawaii</td></tr><tr><td>15</td><td>Mayo Clinic</td></tr><tr><td>16</td><td>Fred Hutchinson, Seattle</td></tr><tr><td>17</td><td>Northern California (NCCC)</td></tr></tbody></table> | | | | Allowable Values | | 11 | Cancer Care Ontario | 12 | USC Consortium | 13 | University of Melbourne | 14 | Cancer Research Center of Hawaii | 15 | Mayo Clinic | 16 | Fred Hutchinson, Seattle | 17 | Northern California (NCCC) |
| Allowable Values | | | | | | | | | | | | | | | | | | | |
| 11 | Cancer Care Ontario | | | | | | | | | | | | | | | | | | |
| 12 | USC Consortium | | | | | | | | | | | | | | | | | | |
| 13 | University of Melbourne | | | | | | | | | | | | | | | | | | |
| 14 | Cancer Research Center of Hawaii | | | | | | | | | | | | | | | | | | |
| 15 | Mayo Clinic | | | | | | | | | | | | | | | | | | |
| 16 | Fred Hutchinson, Seattle | | | | | | | | | | | | | | | | | | |
| 17 | Northern California (NCCC) | | | | | | | | | | | | | | | | | | |
| 2 | PERSON_ID | string (12) | Required: true | | | | | | | | | | | | | | | | |
| Number that uniquely identifies an individual. | | | | | | | | | | | | | | | | | | | |
| 3 | LCL_CID (*PK) | string (17) | Required: true | | | | | | | | | | | | | | | | |
| Identifier used internally by centers for a Lymphoblast cell line transformation or expansion. *CENTER_NO + LCL_CID are the primary key for the table. | | | | | | | | | | | | | | | | | | | |
| 4 | LCL_PROD_TYPE | number (1,0) | Required: true | | | | | | | | | | | | | | | | |
| Total type of frozen aliquots made during this transformation or expansion. | | | | | | | | | | | | | | | | | | | |
| <table border="1"><thead><tr><th colspan="2">Allowable Values</th></tr></thead><tbody><tr><td>1</td><td>LCL_FREEZE single</td></tr><tr><td>2</td><td>LCL_FREEZE set</td></tr><tr><td>3</td><td>LCL_cell_Pellet single</td></tr><tr><td>4</td><td>LCL_cell_pellet set</td></tr></tbody></table> | | | | Allowable Values | | 1 | LCL_FREEZE single | 2 | LCL_FREEZE set | 3 | LCL_cell_Pellet single | 4 | LCL_cell_pellet set | | | | | | |
| Allowable Values | | | | | | | | | | | | | | | | | | | |
| 1 | LCL_FREEZE single | | | | | | | | | | | | | | | | | | |
| 2 | LCL_FREEZE set | | | | | | | | | | | | | | | | | | |
| 3 | LCL_cell_Pellet single | | | | | | | | | | | | | | | | | | |
| 4 | LCL_cell_pellet set | | | | | | | | | | | | | | | | | | |
| 5 | LCL_TYPE_REM | number (1,0) | Required: false | | | | | | | | | | | | | | | | |

Type of frozen aliquots currently remaining that were made during this transformation or expansion.

Allowable Values

- 1 LCL_FREEZE single
- 2 LCL_FREEZE set
- 3 LCL_cell_Pellet single
- 4 LCL_cell_pellet set

LCL_DISCARDED

number (1,0)

Required: true

Indicates whether the materials from this Lymphoblast cell line transformation or expansion was discarded.

Allowable Values

- 1 Yes
- 2 No

LCL_MYCOPLASMA

number (1,0)

Required: true

Results of mycoplasma testing against this Lymphoblast cell line transformation or expansion.

Allowable Values

- 1 Positive (Mycoplamsa tested and was present)
- 2 Negative (Mycoplasma tested and was not present)
- 9 Not tested

Error Description

must be 1, 2 or 9

LCL_RECOVERY

number (1,0)

Required: true

Results of Lymphoblast cell line freeze recovery test.

Allowable Values

- 1 Pass/O.K
- 2 Fail/Not O.K
- 9 Not tested

GENERATION

number (1,0)

Required: true

Generation or passage of culture.

Allowable Values

- 1 Line made from Lymphoblast (transformed)
- 2 Line made from LCL with GENERATION
- 3 Line made from LCL with GENERATION
- 4 Line made from LCL with GENERATION

| | | | |
|--|--|--|--|
| | | | |
|--|--|--|--|

| | | | |
|----|-------------------------------------------------|-------------|----------------|
| 10 | LCL_CID_SOURCE | string (11) | Required:false |
| | LCL_CID of the sample used to expand cell lines | | |

| |
|------------------------------------------------------------------|
| Error Description |
| If GENERATION = 1, LCL_CID_SOURCE must be null |
| If GENERATION is greater than 1, LCL_CID_SOURCE must not be null |

| | | | |
|----|------------------------------------------------------------------------|-------------|----------------|
| 11 | BLOOD_PROD_CID | string (16) | Required:false |
| | Identifier used internally by centers for a product from a blood draw. | | |

| |
|-----------------------------------------------------------|
| Error Description |
| If GENERATION = 1, BLOOD_PROD_CID must not be null |
| If GENERATION greater than 1, BLOOD_PROD_CID must be null |

| | | | |
|----|---------------------------------------------------------------------------------------------|--------------|---------------|
| 12 | IS_DISPATCHABLE | number (1,0) | Required:true |
| | Indicates whether the center is willing to dispatch the material to external investigators. | | |

| | |
|------------------|-----|
| Allowable Values | |
| 1 | Yes |
| 2 | No |

| | | | |
|----|------------------------------|--------------|---------------|
| 13 | LOCATION | number (1,0) | Required:true |
| | Storage site for a specimen. | | |

| | |
|------------------|----------------|
| Allowable Values | |
| 1 | Center |
| 2 | CORIELL |
| 3 | SAIC |
| 4 | Multiple Sites |
| 9 | Unknown/lost |

| | | | |
|----|------------------------------------------------------------------------|--------------|----------------|
| 14 | LCL_COUNT | number (4,0) | Required:false |
| | Total number of aliquots made during this transformation or expansion. | | |

| | | | |
|----|---------------------------------------------------------------------|--------------|----------------|
| 15 | LCL_COUNT_REM | number (4,0) | Required:false |
| | Number of aliquots remaining from this transformation or expansion. | | |

| |
|-------------------------------------------------------|
| Error Description |
| LCL_COUNT_REM must be less than or equal to LCL_COUNT |

| | | | |
|----|--------------------|------------|----------------|
| 16 | DATE_FROZEN | string (8) | Required:false |
|----|--------------------|------------|----------------|

Date the LCL was frozen.

Date Value Check

The date must follow to the following format:

Format YYYYMMDD. Must consist of valid date.

Components of date should be right justified and zero filled.

MM = 01 - 12, 88, 99

DD = 01 - 31, 88, 99

YYYY = **Minimum year** - system date year, 8888, 9999

Use 88, 8888 for not currently known, in progress to obtain information.

Use 99, 9999 for not known.

If century is known, but year is unknown then give an estimate of year or code YYYY = 9999.

If MM = 99 then DD must = 99.

If century is known, but year is unknown then give an estimate of year or code YYYY = 9999.

If YYYY = 9999 then MM and DD must = 99.

The following special parameters are used:

| | |
|-------------|--------------|
| 1980 | Minimum year |
|-------------|--------------|

| Error Description |
|-------------------|
|-------------------|

| |
|----------------------------------------------------------|
| must be a valid date of format with minimum year of 1980 |
|----------------------------------------------------------|

Module: biospecimens

Module Contents

oral-spec

1. [CENTER_NO \(*PK\)](#)
2. [PERSON_ID](#)
3. [ORAL_SPEC_CID \(*PK\)](#)
4. [DATE_RECEIVED](#)
5. [DATE_TAKEN](#)
6. [IS_DEPLETED](#)
7. [ORAL_TYPE](#)

| | | | |
|---------------------------------------------------------------------------------------------|------------------------|--------------|----------------|
| 1 | CENTER_NO (*PK) | number (2,0) | Required: true |
| Center Identification Number. *CENTER_NO + ORAL_SPEC_CID are the primary key for the table. | | | |

| Allowable Values | |
|------------------|----------------------------------|
| 11 | Cancer Care Ontario |
| 12 | USC Consortium |
| 13 | University of Melbourne |
| 14 | Cancer Research Center of Hawaii |
| 15 | Mayo Clinic |
| 16 | Fred Hutchinson, Seattle |
| 17 | Northern California (NCCC) |

| | | | |
|------------------------------------------------|------------------|-------------|----------------|
| 2 | PERSON_ID | string (12) | Required: true |
| Number that uniquely identifies an individual. | | | |

| | | | |
|------------------------------------------------------------------------------------------------------------------------|----------------------------|-------------|----------------|
| 3 | ORAL_SPEC_CID (*PK) | string (40) | Required: true |
| Identifier used internally by centers for a oral sample. *CENTER_NO + ORAL_SPEC_CID are the primary key for the table. | | | |

| | | | |
|-------------------------------------------------------------|----------------------|------------|----------------|
| 4 | DATE_RECEIVED | string (8) | Required: true |
| Date specimen was received into the laboratory of a center. | | | |

| Date Value Check |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| The date must follow to the following format: Format YYYYMMDD. Must consist of valid date. Components of date should be right justified and zero filled. MM = 01 - 12, 88, 99 DD = 01 - 31, 88, 99 YYYY = Minimum year - system date year, 8888, 9999 Use 88, 8888 for not currently known, in progress to obtain information. Use 99, 9999 for not known. If century is known, but year is unknown then give an estimate of year or code YYYY = 9999. If MM = 99 then DD must = 99. If century is known, but year is unknown then give an estimate of year or code YYYY = 9999. If YYYY = 9999 then MM and DD must = 99. The following special parameters are used: |
| 1980 Minimum year |

| Error Description |
|----------------------------------------------------------|
| must be a valid date of format with minimum year of 1980 |

DATE_RECEIVED must be greater or equal to DATE_TAKEN

5 **DATE_TAKEN**

string (8)

Required: false

Date specimen was taken from patient.

Date Value Check

The date must follow to the following format:

Format YYYYMMDD. Must consist of valid date.

Components of date should be right justified and zero filled.

MM = 01 - 12, 88, 99

DD = 01 - 31, 88, 99

YYYY = **Minimum year** - system date year, 8888, 9999

Use 88, 8888 for not currently known, in progress to obtain information.

Use 99, 9999 for not known.

If century is known, but year is unknown then give an estimate of year or code YYYY = 9999.

If MM = 99 then DD must = 99.

If century is known, but year is unknown then give an estimate of year or code YYYY = 9999.

If YYYY = 9999 then MM and DD must = 99.

The following special parameters are used:

1980

Minimum year

Error Description

must be a valid date of format with minimum year of 1980

6 **IS_DEPLETED**

number (1,0)

Required: true

Indicates whether the material has been depleted through testing, processing, and dispatching.

Allowable Values

1 Yes

2 No

7 **ORAL_TYPE**

number (1,0)

Required: true

Type of oral specimen.

Allowable Values

1 Buccal smear

2 Mouth wash

3 Saliva

Module: biospecimens

Module Contents

qc-test-outcome

1. [CENTER_NO \(*PK\)](#)
2. [NUC_ACID_CID \(*PK\)](#)
3. [QC_AGAROSE_GEL](#)
4. [QC_ECOR1](#)
5. [QC_HIND_III](#)
6. [QC_STR1](#)
7. [QC_STR2](#)
8. [QC_Y](#)
9. [QC_CROSS_CHECK](#)
10. [QC_CROSS_MATCH](#)
11. [QC_SUMMARY](#)
12. [QC_SUMM_FAIL](#)
13. [QC_CC](#)
14. [QC_CC_FAIL](#)
15. [QC_IC](#)

| | | | |
|--------------------------------------------------------------------------------------------|------------------------|--------------|---------------|
| 1 | CENTER_NO (*PK) | number (2,0) | Required:true |
| Center Identification Number. *CENTER_NO + NUC_ACID_CID are the primary key for the table. | | | |

| Allowable Values | |
|------------------|----------------------------------|
| 11 | Cancer Care Ontario |
| 12 | USC Consortium |
| 13 | University of Melbourne |
| 14 | Cancer Research Center of Hawaii |
| 15 | Mayo Clinic |
| 16 | Fred Hutchinson, Seattle |
| 17 | Northern California (NCCC) |

| | | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|-------------|---------------|
| 2 | NUC_ACID_CID (*PK) | string (40) | Required:true |
| Identifier used internally by centers for a nucleic acid sample from a single extraction. *CENTER_NO + NUC_ACID_CID are the primary key for the table. | | | |

| | | | |
|-----------------------------------------------------------------------------------|-----------------------|--------------|----------------|
| 3 | QC_AGAROSE_GEL | number (1,0) | Required:false |
| Quality of DNA or RNA. The behavior on the gel indicates integrity of DNA or RNA. | | | |

| Allowable Values | |
|------------------|---------------------|
| 1 | Good |
| 2 | Not Good |
| 3 | Poor (for RNA only) |
| 9 | not done |

| | | | |
|--------------------------------------------------------|-----------------|--------------|----------------|
| 4 | QC_ECOR1 | number (1,0) | Required:false |
| Digestibility with the restriction endonuclease EcoR1. | | | |

| Allowable Values | |
|------------------|------|
| 1 | Good |

2 Not Good

9 Not done

| | | | |
|-----------------------------------------------------------|--------------------|--------------|-----------------|
| 5 | QC_HIND_III | number (1,0) | Required: false |
| Digestibility with the restriction endonuclease Hind III. | | | |

Allowable Values

1 Good

2 Not Good

9 Not done

| | | | |
|-----------------------------------------|----------------|--------------|-----------------|
| 6 | QC_STR1 | number (1,0) | Required: false |
| Microsatellite STR1 [UT1699 (D10S526)]. | | | |

Allowable Values

1 Homozygote

2 Heterozygote

9 Not done

| | | | |
|-----------------------------------------|----------------|--------------|-----------------|
| 7 | QC_STR2 | number (1,0) | Required: false |
| Microsatellite STR2 [UT1091 (D22S417)]. | | | |

Allowable Values

1 Homozygote

2 Heterozygote

9 Not done

| | | | |
|--------------------|-------------|--------------|-----------------|
| 8 | QC_Y | number (1,0) | Required: false |
| Y Chromosome test. | | | |

Allowable Values

0 Negative

1 Positive

9 Not done

| | | | |
|-----------------------------|-----------------------|--------------|-----------------|
| 9 | QC_CROSS_CHECK | number (1,0) | Required: false |
| Sent to lab for QC testing. | | | |

Allowable Values

1 Yes/Sent

2 No/Not Sent

| 10 | QC_CROSS_MATCH | number (1,0) | Required: false | | | | | | | | | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|--------------|-----------------|------------------|--|---|--------------------------------|---|--------------------------------|---|----------|---|----------|
| Results from second lab identical. | | | | | | | | | | | | | |
| <table border="1"> <tr> <th colspan="2">Allowable Values</th> </tr> <tr> <td>1</td> <td>Yes</td> </tr> <tr> <td>2</td> <td>No</td> </tr> </table> | | | | Allowable Values | | 1 | Yes | 2 | No | | | | |
| Allowable Values | | | | | | | | | | | | | |
| 1 | Yes | | | | | | | | | | | | |
| 2 | No | | | | | | | | | | | | |
| 11 | QC_SUMMARY | number (1,0) | Required: false | | | | | | | | | | |
| Summary result of QC procedures | | | | | | | | | | | | | |
| <table border="1"> <tr> <th colspan="2">Allowable Values</th> </tr> <tr> <td>1</td> <td>Passed (research lab protocol)</td> </tr> <tr> <td>2</td> <td>Passed (clinical lab protocol)</td> </tr> <tr> <td>3</td> <td>Failed</td> </tr> <tr> <td>9</td> <td>Not Done</td> </tr> </table> | | | | Allowable Values | | 1 | Passed (research lab protocol) | 2 | Passed (clinical lab protocol) | 3 | Failed | 9 | Not Done |
| Allowable Values | | | | | | | | | | | | | |
| 1 | Passed (research lab protocol) | | | | | | | | | | | | |
| 2 | Passed (clinical lab protocol) | | | | | | | | | | | | |
| 3 | Failed | | | | | | | | | | | | |
| 9 | Not Done | | | | | | | | | | | | |
| 12 | QC_SUMM_FAIL | string (150) | Required: false | | | | | | | | | | |
| Text field to indicate which component (gel/RE/PCR) was problematic. | | | | | | | | | | | | | |
| 13 | QC_CC | number (1,0) | Required: false | | | | | | | | | | |
| Cross-check quality control testing. | | | | | | | | | | | | | |
| <table border="1"> <tr> <th colspan="2">Allowable Values</th> </tr> <tr> <td>1</td> <td>Pass</td> </tr> <tr> <td>2</td> <td>Fail</td> </tr> <tr> <td>9</td> <td>Not done</td> </tr> </table> | | | | Allowable Values | | 1 | Pass | 2 | Fail | 9 | Not done | | |
| Allowable Values | | | | | | | | | | | | | |
| 1 | Pass | | | | | | | | | | | | |
| 2 | Fail | | | | | | | | | | | | |
| 9 | Not done | | | | | | | | | | | | |
| 14 | QC_CC_FAIL | string (150) | Required: false | | | | | | | | | | |
| Text field to indicate which component of quality control cross check failed. | | | | | | | | | | | | | |
| 15 | QC_IC | number (1,0) | Required: false | | | | | | | | | | |
| Microsatellite markers in DNA specimen matched Guthrie spot for this individual. | | | | | | | | | | | | | |
| <table border="1"> <tr> <th colspan="2">Allowable Values</th> </tr> <tr> <td>1</td> <td>Yes</td> </tr> <tr> <td>2</td> <td>No</td> </tr> <tr> <td>9</td> <td>Not done</td> </tr> </table> | | | | Allowable Values | | 1 | Yes | 2 | No | 9 | Not done | | |
| Allowable Values | | | | | | | | | | | | | |
| 1 | Yes | | | | | | | | | | | | |
| 2 | No | | | | | | | | | | | | |
| 9 | Not done | | | | | | | | | | | | |

Module: biospecimens

Module Contents

nuc-acid

1. [CENTER_NO \(*PK\)](#)
2. [PERSON_ID](#)
3. [NUC_ACID_CID \(*PK\)](#)
4. [NUC_ACID_TYPE](#)
5. [DATE_MADE](#)
6. [IS_DEPLETED](#)
7. [IS_DISPATCHABLE](#)
8. [LOCATION](#)
9. [IDENTITY_TEST](#)
10. [IDENTITY_TEST_DATE](#)
11. [NUC_ACID_AMT_REM](#)
12. [NUC_ACID_AMT_REM_DISP](#)
13. [NUC_ACID_SOURCE](#)
14. [BLOOD_PROD_CID](#)
15. [BLOCK_PROD_CID](#)
16. [FRESH_PROD_CID](#)
17. [LCL_CID](#)
18. [ORAL_SPEC_CID](#)
19. [QC_A260_280](#)
20. [QC_MATCH](#)
21. [QUANTITATION_METHOD](#)

| | | | |
|--------------------------------------------------------------------------------------------|------------------------|--------------|----------------|
| 1 | CENTER_NO (*PK) | number (2,0) | Required: true |
| Center Identification Number. *CENTER_NO + NUC_ACID_CID are the primary key for the table. | | | |

| Allowable Values | |
|------------------|----------------------------------|
| 11 | Cancer Care Ontario |
| 12 | USC Consortium |
| 13 | University of Melbourne |
| 14 | Cancer Research Center of Hawaii |
| 15 | Mayo Clinic |
| 16 | Fred Hutchinson, Seattle |
| 17 | Northern California (NCCC) |

| | | | |
|------------------------------------------------|------------------|-------------|----------------|
| 2 | PERSON_ID | string (12) | Required: true |
| Number that uniquely identifies an individual. | | | |

| | | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|-------------|----------------|
| 3 | NUC_ACID_CID (*PK) | string (12) | Required: true |
| Identifier used internally by centers for a nucleic acid sample from a single extraction. Center Identification Number. *CENTER_NO + NUC_ACID_CID are the primary key for the table. | | | |

| | | | |
|-----------------------|----------------------|--------------|----------------|
| 4 | NUC_ACID_TYPE | number (1,0) | Required: true |
| Type of nucleic acid. | | | |

| Allowable Values | |
|------------------|---------|
| 1 | DNA |
| 2 | RNA |
| 9 | Unknown |

5 **DATE_MADE** string (8) Required: true

Date specimen was made.

Date Value Check

The date must follow to the following format:

Format YYYYMMDD. Must consist of valid date.

Components of date should be right justified and zero filled.

MM = 01 - 12, 88, 99

DD = 01 - 31, 88, 99

YYYY = **Minimum year** - system date year, 8888, 9999

Use 88, 8888 for not currently known, in progress to obtain information.

Use 99, 9999 for not known.

If century is known, but year is unknown then give an estimate of year or code YYYY = 9999.

If MM = 99 then DD must = 99.

If century is known, but year is unknown then give an estimate of year or code YYYY = 9999.

If YYYY = 9999 then MM and DD must = 99.

The following special parameters are used:

1980

Minimum year

Error Description

must be a valid date of format with minimum year of 1980

6 **IS_DEPLETED** number (1,0) Required: true

Indicates whether the material has been depleted through testing, processing, and dispatching.

Allowable Values

1 Yes

2 No

7 **IS_DISPATCHABLE** number (1,0) Required: true

Indicates whether the center is willing or able to dispatch the material to external investigators.

Allowable Values

1 Yes

2 No

Error Description

If IS_DEPLETED = 1, IS_DISPATCHABLE must be 2

8 **LOCATION** number (1,0) Required: true

Storage site for a specimen.

Allowable Values

1 Center

2 CORIELL

3 SAIC

4 Multiple Sites

9 Unknown/lost

IDENTITY_TEST

number (1,0)

Required:false

9

Indicates the outcome of identity testing. The identity of a DNA aliquot is compared to the identity of the stock DNA from which it originated.

Allowable Values

1 Pass/Yes match

2 Fail/No match

3 Not done

IDENTITY_TEST_DATE

string (8)

Required:false

10

Indicated the date for QC identity testing.

Date Value Check

The date must follow to the following format:

Format YYYYMMDD. Must consist of valid date.

Components of date should be right justified and zero filled.

MM = 01 - 12, 88, 99

DD = 01 - 31, 88, 99

YYYY = **Minimum year** - system date year, 8888, 9999

Use 88, 8888 for not currently known, in progress to obtain information.

Use 99, 9999 for not known.

If century is known, but year is unknown then give an estimate of year or code YYYY = 9999.

If MM = 99 then DD must = 99.

If century is known, but year is unknown then give an estimate of year or code YYYY = 9999.

If YYYY = 9999 then MM and DD must = 99.

The following special parameters are used:

1980 Minimum year

Error Description

must be a valid date of format with minimum year of 1980

IDENTITY_TEST_DATE must be greater or equal to DATE_MADE

NUC_ACID_AMT_REM

number (6,2)

Required:false

11

Amount of nucleic acid remaining at time of reporting in micrograms (includes material held in reserve).

Allowable Values

0 to 99999.99 or -9 Range

-9 Unknown quantity

NUC_ACID_AMT_REM_DISP

number (7,2)

Required:false

12

Amount of nucleic acid remaining at time of reporting in micrograms that is available for dispatch (excludes material held in reserve).

| | |
|---------------------|------------------|
| Allowable Values | |
| 0 to 99999.99 or -9 | Range |
| | |
| -9 | Unknown quantity |

Error Description

must be less than or equal to NUC_ACID_AMT_REM

| | | | |
|-------------------------------------------|------------------------|--------------|-----------------|
| 13 | NUC_ACID_SOURCE | number (2,0) | Required: false |
| Specimen type for source of nucleic acid. | | | |

| | |
|------------------|----------------------------------------------------------|
| Allowable Values | |
| 1 | Whole Blood Aliquot cryo-preserved with DMSO (BCFR Only) |
| 2 | Frozen Tissue |
| 3 | Paraffin Block Section |
| 4 | Buffy Coat |
| 5 | White Blood Cells isolated using a Ficoll |
| 6 | Lymphoblastoid Cells |
| 7 | Buccal Smart (BCFR Only) |
| 8 | Whole Blood |
| 9 | Granulocytes |
| 11 | Blood Spots (guithrie) |
| 12 | Mouth Wash |
| 13 | Lymphocyte pellet |
| 14 | Slide |
| 15 | Saliva |
| 16 | Whole Genome amplified DNA |
| 99 | Unknown |

Error Description

If BLOOD_PROD_CID is not null, NUC_ACID_SOURCE must be in (1,4,5,8,9,11,16)

If BLOCK_PROD_CID is not null, NUC_ACID_SOURCE must be in (3,14,16)

| | | | |
|----------------------------------------------------------------------------------------|-----------------------|-------------|-----------------|
| 14 | BLOOD_PROD_CID | string (12) | Required: false |
| Unique local identifier used at a center to uniquely identify a blood tissue specimen. | | | |

Error Description

If NUC_ACID_SOURCE is in (1,4,5,8,9,11), BLOOD_PROD_CID must not be null

If NUC_ACID_SOURCE not in (1,4,5,8,9,11), BLOOD_PROD_CID must be null

| | | | |
|----|-----------------------|-------------|-----------------|
| 15 | BLOCK_PROD_CID | string (15) | Required: false |
|----|-----------------------|-------------|-----------------|

Unique local identifier used at a center to uniquely identify a block.

Error Description

If NUC_ACID_SOURCE is in (3,14), BLOCK_PROD_CID must not be null

If NUC_ACID_SOURCE is not in (3,14), BLOCK_PROD_CID must be null

FRESH_PROD_CID

string (15)

Required:false

Identifier used internally by centers for a product of a fresh tissue specimen.

Error Description

If NUC_ACID_SOURCE is 2, FRESH_PROD_CID must not be null

If NUC_ACID_SOURCE is not 2, FRESH_PROD_CID must be null

LCL_CID

string (10)

Required:false

Identifier used internally by centers for a lymphocytic cell line transformation or expansion.

Error Description

If NUC_ACID_SOURCE is 6, LCL_CID must not be null

If NUC_ACID_SOURCE is not 6, LCL_CID must be null

ORAL_SPEC_CID

string (40)

Required:false

Identifier used internally by centers for an oral sample.

Error Description

If NUC_ACID_SOURCE in (7,12,15), ORAL_SPEC_CID must not be null

If NUC_ACID_SOURCE not in (7,12,15), ORAL_SPEC_CID must be null

QC_A260_280

number (6,2)

Required:false

A ratio of the optical density of a nucleic acid at 260 nm and 280 nm. This ratio provides an indication about the DNA or RNA quality purity.

Allowable Values

0.0 to 3.0 or -9 Range

-9 Unknown

Error Description

If NUC_ACID_SOURCE in (1,2,3,4,5,6,7,8,9,12,13,14,15,16), QC_A260_280 must not be null

QC_MATCH

number (1,0)

Required:false

Confirmation that Nucleic Acid from LCL/GC/WBC/paraffin DNA match. For example, the DNA stock form once source is compared with the DNA stock from an alternate source from the same person.

Allowable Values

- 1 Yes match
- 2 No match
- 9 Not done

| | | | |
|------------------------------------------------------------------------------------|----------------------------|--------------|-----------------|
| 21 | QUANTITATION_METHOD | number (1,0) | Required: false |
| Method by which nucleic acid samples have their amount remaining value quantified. | | | |

- Allowable Values
- 1 PICO Green
 - 2 Spectrophotometry
 - 3 Nano-drop
 - 4 Other