

# Module: biospecimens

## Module Contents

### block-prod

1. [CENTER\\_NO \(PK\\*\)](#)
2. [BLOCK\\_PROD\\_CID \(PK\\*\)](#)
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1	<b>CENTER_NO (PK*)</b>	number (2,0)	Required: true
Center Identification Number. *CENTER_NO + BLOCK_PROD_CID are the primary key for the table.			

#### Allowable Values

11	Sinai Health Systems (formerly Cancer Care Ontario)
12	Cedars-Sinai & Cleveland Clinic (formerly USC Consortium)
13	University of Melbourne
14	University of Hawaii Cancer Center
15	Mayo Clinic
16	Fred Hutch, Seattle
17	UCSF: University of California at San Francisco (formerly CPIC, originally Northern California (NCCC))

2	<b>BLOCK_PROD_CID (PK*)</b>	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	<b>BLOCK_SPEC_CID</b>	string (17)	Required: true
Unique local identifier used at a center to uniquely identify a block tissue specimen.			

4	<b>IS_DISPATCHABLE</b>	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	<b>IS_DEPLETED</b>	number (1,0)	Required: true
Indicates whether the material has been depleted through testing, processing, and dispatching.			

#### Allowable Values

1	Yes
2	No

6	<b>BLOCK_PROD_TYPE</b>	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	<b>COUNT_ORIG</b>	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	<b>COUNT_REM</b>	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	<b>COUNT_REM_DISP</b>	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	<b>LOCATION</b>	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	<b>CENTER_NO (*PK)</b>	number (2,0)	Required: true
Center Identification Number. *CENTER_NO + BLOCK_SPEC_CID are the primary key for the table.			

Allowable Values	
11	Sinai Health Systems (formerly Cancer Care Ontario)
12	Cedars-Sinai & Cleveland Clinic (formerly USC Consortium)
13	University of Melbourne
14	University of Hawaii Cancer Center
15	Mayo Clinic
16	Fred Hutch, Seattle
17	UCSF: University of California at San Francisco (formerly CPIC, originally Northern California (NCCC))

2	<b>PERSON_ID</b>	string (12)	Required: true
Number that uniquely identifies an individual.			

3	<b>TUMOR_NO</b>	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	<b>BLOCK_SPEC_CID (*PK)</b>	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	<b>FRESH_SPEC_CID</b>	string (9)	Required: false
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Unique local identifier used at a center to uniquely identify a fresh tissue specimen.

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

Allowable Values

- |   |           |
|---|-----------|
| 1 | Yes       |
| 2 | No        |
| 9 | Not Known |

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

8	<b>COLLECTION_CID</b>	string (30)	Required: true
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Identifier used internally by centers to denote a unique surgical event

9	<b>DATE_RECEIVED</b>	string (8)	Required: true
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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:

<b>1980</b>	Minimum year
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**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	<b>DATE_TAKEN</b>	string (8)	Required: true
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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
- 10 Metastatic
- 11 Local recurrence

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	<b>CENTER_NO (*PK)</b>	number (2,0)	Required: true
Center Identification Number. *CENTER_NO + BLOOD_PROD_CID are the primary key for the table.			

#### Allowable Values

11	Sinai Health Systems (formerly Cancer Care Ontario)
12	Cedars-Sinai & Cleveland Clinic (formerly USC Consortium)
13	University of Melbourne
14	University of Hawaii Cancer Center
15	Mayo Clinic
16	Fred Hutch, Seattle
17	UCSF: University of California at San Francisco (formerly CPIC, originally Northern California (NCCC))

2	<b>BLOOD_PROD_CID (*PK)</b>	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	<b>BLOOD_PROD_TYPE</b>	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	<b>BLOOD_SPEC_CID</b>	string (15)	Required: true
Unique local identifier used at a center to uniquely identify a blood tissue specimen.			

5	<b>IS_DISPATCHABLE</b>	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	<b>IS_DEPLETED</b>	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	<b>COUNT_ORIG</b>	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	<b>COUNT_REM</b>	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	<b>CENTER_NO (*PK)</b>	number (2,0)	Required: true
Center Identification Number. *CENTER_NO + BLOOD_SPEC_CID are the primary key for the table.			

#### Allowable Values

11	Sinai Health Systems (formerly Cancer Care Ontario)
12	Cedars-Sinai & Cleveland Clinic (formerly USC Consortium)
13	University of Melbourne
14	University of Hawaii Cancer Center
15	Mayo Clinic
16	Fred Hutch, Seattle
17	UCSF: University of California at San Francisco (formerly CPIC, originally Northern California (NCCC))

2	<b>PERSON_ID</b>	string (12)	Required: true
Number that uniquely identifies an individual.			

3	<b>BLOOD_SPEC_CID (*PK)</b>	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	<b>DATE_RECEIVED</b>	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
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#### 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	<b>CENTER_NO (*PK)</b>	number (2,0)	Required: true
Center Identification Number. *CENTER_NO + DISPATCH_CID are the primary key for the table.			

#### Allowable Values

11	Sinai Health Systems (formerly Cancer Care Ontario)
12	Cedars-Sinai & Cleveland Clinic (formerly USC Consortium)
13	University of Melbourne
14	University of Hawaii Cancer Center
15	Mayo Clinic
16	Fred Hutch, Seattle
17	UCSF: University of California at San Francisco (formerly CPIC, originally Northern California (NCCC))

2	<b>DISPATCH_CID (*PK)</b>	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	<b>DISPATCH_DATE</b>	string (8)	Required: true
Date specimen was sent.			

#### 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:

<b>1980</b>	Minimum year
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#### 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	<b>CENTER_NO</b>	number (2,0)	Required: true
	Center Identification Number		
	Allowable Values		
	<b>11</b>	Sinai Health Systems (formerly Cancer Care Ontario)	
	<b>12</b>	Cedars-Sinai & Cleveland Clinic (formerly USC Consortium)	
	<b>13</b>	University of Melbourne	
	<b>14</b>	University of Hawaii Cancer Center	
	<b>15</b>	Mayo Clinic	
	<b>16</b>	Fred Hutch, Seattle	
	<b>17</b>	UCSF: University of California at San Francisco (formerly CPIC, originally Northern California (NCCC))	
2	<b>DISPATCH_CID</b>	string (40)	Required: true
	Center specific identifier used by centers for tracking a dispatch of biospecimens.		
3	<b>DISPATCH_APPLICATION_CID</b>	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	<b>CENTER_NO (*PK)</b>	number (2,0)	Required: true
Center Identification Number. *CENTER_NO + DISPATCH_ITEM_CID are the primary key for the table.			
Allowable Values			
11 Sinai Health Systems (formerly Cancer Care Ontario)			
12 Cedars-Sinai & Cleveland Clinic (formerly USC Consortium)			
13 University of Melbourne			
14 University of Hawaii Cancer Center			
15 Mayo Clinic			
16 Fred Hutch, Seattle			
17 UCSF: University of California at San Francisco (formerly CPIC, originally Northern California (NCCC))			
2	<b>DISPATCH_CID</b>	string (40)	Required: true
Center specific identifier used by centers for tracking a dispatch of biospecimens.			
3	<b>DISPATCH_ITEM_CID (*PK)</b>	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	<b>BLOCK_PROD_CID</b>	string (18)	Required: false
Unique local identifier used at a center to uniquely identify a block.			
5	<b>BLOOD_PROD_CID</b>	string (12)	Required: false
Identifier used internally by centers for a product from a blood draw.			
6	<b>FRESH_PROD_CID</b>	string (10)	Required: false
Identifier used internally by centers for a product of a fresh tissue specimen.			
7	<b>LCL_CID</b>	string (11)	Required: false
Identifier used internally by centers for a lymphocytic cell line transformation or expansion.			
8	<b>NUC_ACID_CID</b>	string (12)	Required: false
Identifier used internally by centers for a nucleic acid sample from a single extraction.			
9	<b>AMT_UNIT</b>	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	<b>AMT_VALUE</b>	number (11,4)	Required: true
Numerical value for unites in AMT_UNIT			

Allowable Values	
<b>0 to 9999999.9999 or -99</b>	Range
<b>-99</b>	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	<b>CENTER_NO (*PK)</b>	number (2,0)	Required: true
Center Identification Number. *CENTER_NO + FRESH_PROD_CID are the primary key for the table.			

#### Allowable Values

11	Sinai Health Systems (formerly Cancer Care Ontario)
12	Cedars-Sinai & Cleveland Clinic (formerly USC Consortium)
13	University of Melbourne
14	University of Hawaii Cancer Center
15	Mayo Clinic
16	Fred Hutch, Seattle
17	UCSF: University of California at San Francisco (formerly CPIC, originally Northern California (NCCC))

2	<b>FRESH_PROD_CID (*PK)</b>	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	<b>FRESH_SPEC_CID</b>	string (9)	Required: true
Unique local identifier used at a center to uniquely identify a fresh tissue specimen.			

4	<b>IS_DISPATCHABLE</b>	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	<b>IS_DEPLETED</b>	number (1,0)	Required: true
Indicates whether the material has been depleted through testing, processing, and dispatching.			

#### Allowable Values

1	Yes
---	-----

2	No
---	----

6	<b>FRESH_PROD_TYPE</b>	number (1,0)	Required: true
Type of fresh frozen tissues product			

Allowable Values	
1	Fresh frozen
2	Fresh frozen in RNA later
3	Embedded in OCT, then frozen

7	<b>COUNT_ORIG</b>	number (4,0)	Required: true
Original number of tubes in the group corresponding to this record.			

<b>Error Description</b>
COUNT_ORIG must be greater or equal to COUNT_REM

8	<b>COUNT_REM</b>	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).			

<b>Error Description</b>
COUNT_REM must be less than or equal to COUNT_ORIG

9	<b>COUNT_REM_DISP</b>	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).			

<b>Error Description</b>
COUNT_REM_DISP must be less than or equal to COUNT_REM

10	<b>STORAGE_TEMP</b>	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	<b>LOCATION</b>	number (1,0)	Required: false
Storage site for a specimen.			

Allowable Values	
1	Center

<b>2</b>	CORIELL
<b>3</b>	SAIC
<b>4</b>	Multiple Sites
<b>9</b>	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	<b>CENTER_NO (*PK)</b>	number (2,0)	Required: true
Center Identification Number. *CENTER_NO + FRESH_SPEC_CID are the primary key for the table.			

#### Allowable Values

11	Sinai Health Systems (formerly Cancer Care Ontario)
12	Cedars-Sinai & Cleveland Clinic (formerly USC Consortium)
13	University of Melbourne
14	University of Hawaii Cancer Center
15	Mayo Clinic
16	Fred Hutch, Seattle
17	UCSF: University of California at San Francisco (formerly CPIC, originally Northern California (NCCC))

2	<b>PERSON_ID</b>	string (12)	Required: true
Number that uniquely identifies an individual.			

3	<b>TUMOR_NO</b>	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	<b>POLYP_NO</b>	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	<b>FRESH_SPEC_CID (*PK)</b>	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	<b>DATE_TAKEN</b>	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:

<b>1980</b>	Minimum year
-------------	--------------

**Error Description**

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

7	<b>COLLECTION_CID</b>	string (10)	Required: true
	Identifier used internally by centers to denote a unique surgical event		

8	<b>NORMAL_ONLY</b>	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	<b>FRESH_SOURCE</b>	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	<b>PATH_REPORT_RECEIVED</b>	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	<b>CENTER_NO (*PK)</b>	number (2,0)	Required: true
Center Identification Number. *CENTER_NO + LCL_CID are the primary key for the table.			

Allowable Values	
11	Sinai Health Systems (formerly Cancer Care Ontario)
12	Cedars-Sinai & Cleveland Clinic (formerly USC Consortium)
13	University of Melbourne
14	University of Hawaii Cancer Center
15	Mayo Clinic
16	Fred Hutch, Seattle
17	UCSF: University of California at San Francisco (formerly CPIC, originally Northern California (NCCC))

2	<b>PERSON_ID</b>	string (12)	Required: true
Number that uniquely identifies an individual.			

3	<b>LCL_CID (*PK)</b>	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	<b>LCL_PROD_TYPE</b>	number (1,0)	Required: true
Total type of frozen aliquots 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

5	<b>LCL_TYPE_REM</b>	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 (Mycoplasma 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

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10	<b>LCL_CID_SOURCE</b>	string (11)	Required:false
	LCL_CID of the sample used to expand cell lines		

<b>Error Description</b>
If GENERATION = 1, LCL_CID_SOURCE must be null
If GENERATION is greater than 1, LCL_CID_SOURCE must not be null

11	<b>BLOOD_PROD_CID</b>	string (16)	Required:false
	Identifier used internally by centers for a product from a blood draw.		

<b>Error Description</b>
If GENERATION = 1, BLOOD_PROD_CID must not be null
If GENERATION greater than 1, BLOOD_PROD_CID must be null

12	<b>IS_DISPATCHABLE</b>	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	<b>LOCATION</b>	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	<b>LCL_COUNT</b>	number (4,0)	Required:false
	Total number of aliquots made during this transformation or expansion.		

15	<b>LCL_COUNT_REM</b>	number (4,0)	Required:false
	Number of aliquots remaining from this transformation or expansion.		

<b>Error Description</b>
LCL_COUNT_REM must be less than or equal to LCL_COUNT

16	<b>DATE_FROZEN</b>	string (8)	Required:false
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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:

<b>1980</b>	Minimum year
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Error Description
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must be a valid date of format with minimum year of 1980
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# 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	<b>CENTER_NO (*PK)</b>	number (2,0)	Required: true
Center Identification Number. *CENTER_NO + NUC_ACID_CID are the primary key for the table.			

Allowable Values	
11	Sinai Health Systems (formerly Cancer Care Ontario)
12	Cedars-Sinai & Cleveland Clinic (formerly USC Consortium)
13	University of Melbourne
14	University of Hawaii Cancer Center
15	Mayo Clinic
16	Fred Hutch, Seattle
17	UCSF: University of California at San Francisco (formerly CPIC, originally Northern California (NCCC))

2	<b>PERSON_ID</b>	string (12)	Required: true
Number that uniquely identifies an individual.			

3	<b>NUC_ACID_CID (*PK)</b>	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	<b>NUC_ACID_TYPE</b>	number (1,0)	Required: true
Type of nucleic acid.			

Allowable Values	
1	DNA
2	RNA
9	Unknown

DATE\_MADE

string (8)

Required: true

5

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

IS\_DEPLETED

number (1,0)

Required: true

6

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

Allowable Values

1

Yes

2

No

IS\_DISPATCHABLE

number (1,0)

Required: true

7

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

LOCATION

number (1,0)

Required: true

8

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	<b>NUC_ACID_SOURCE</b>	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 (Tubes or Slides)
4	Buffy Coat
5	White Blood Cells isolated using a Ficoll
6	Lymphoblastoid Cells
7	Buccal Smear (BCFR Only)
8	Whole Blood
9	Granulocytes
11	Blood Spots (guthrie)
12	Mouth Wash
13	Lymphocyte pellet
<b>14 - Slide (BCFR Only)</b>	
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	<b>BLOOD_PROD_CID</b>	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	<b>BLOCK_PROD_CID</b>	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

16

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

17

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

18

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

19

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

20

Confirmation that Nucleic Acid from LCL/GC/WBC/paraffin DNA match. For example, the DNA stock from 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 Fluorescence (e.g., Picogreen, Qubit)

2 Spectrophotometry (e.g., Nanodrop)

4 Other (e.g., Trinean DropSense96, Bioanalyser, TapeStation)

# 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	<b>CENTER_NO (*PK)</b>	number (2,0)	Required: true
Center Identification Number. *CENTER_NO + ORAL_SPEC_CID are the primary key for the table.			

Allowable Values	
<b>11</b>	Sinai Health Systems (formerly Cancer Care Ontario)
<b>12</b>	Cedars-Sinai & Cleveland Clinic (formerly USC Consortium)
<b>13</b>	University of Melbourne
<b>14</b>	University of Hawaii Cancer Center
<b>15</b>	Mayo Clinic
<b>16</b>	Fred Hutch, Seattle
<b>17</b>	UCSF: University of California at San Francisco (formerly CPIC, originally Northern California (NCCC))

2	<b>PERSON_ID</b>	string (12)	Required: true
Number that uniquely identifies an individual.			

3	<b>ORAL_SPEC_CID (*PK)</b>	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	<b>DATE_RECEIVED</b>	string (8)	Required: true
Date specimen was received into the laboratory of a center.			

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 = <b>Minimum year</b> - 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" style="width: 100%;"> <tr> <td style="width: 50%; text-align: center;"><b>1980</b></td> <td>Minimum year</td> </tr> </table>	<b>1980</b>	Minimum year
<b>1980</b>	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	<b>CENTER_NO (*PK)</b>	number (2,0)	Required: true
Center Identification Number. *CENTER_NO + NUC_ACID_CID are the primary key for the table.			

Allowable Values			
11	Sinai Health Systems (formerly Cancer Care Ontario)		
12	Cedars-Sinai & Cleveland Clinic (formerly USC Consortium)		
13	University of Melbourne		
14	University of Hawaii Cancer Center		
15	Mayo Clinic		
16	Fred Hutch, Seattle		
17	UCSF: University of California at San Francisco (formerly CPIC, originally Northern California (NCCC))		

2	<b>NUC_ACID_CID (*PK)</b>	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	<b>QC_AGAROSE_GEL</b>	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	<b>QC_ECOR1</b>	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	<b>QC_CROSS_MATCH</b>	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	<b>QC_SUMMARY</b>	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	<b>QC_SUMM_FAIL</b>	string (150)	Required: false										
Text field to indicate which component (gel/RE/PCR) was problematic.													
13	<b>QC_CC</b>	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	<b>QC_CC_FAIL</b>	string (150)	Required: false										
Text field to indicate which component of quality control cross check failed.													
15	<b>QC_IC</b>	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												