

Module: biospecimens

Module Contents

block-spec

1. [CENTER_NO \(*PK\)](#)
2. [PERSON_ID](#)
3. [TUMOR_NO](#)
4. [BLOCK_SPEC_CID \(*PK\)](#)
5. [BLOCK_CUSTODY](#)
6. [BLOCK_SOURCE](#)
7. [COLLECTION_CID](#)
8. [DATE_RECEIVED](#)
9. [DATE_TAKEN](#)
10. [IS_DEPLETED](#)
11. [TISSUE_TYPE](#)
12. [POLYP_NO](#)
13. [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	Sinai Health Systems (formerly Cancer Care Ontario)
12	University of Southern California Consortium (USCC)
13	University of Melbourne
14	University of Hawaii Cancer Center
15	Mayo Clinic
16	Fred Hutch, Seattle
17	University of California at San Francisco (UCSF) (formerly CPIC, originally 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.		

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:

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

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	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

6	BLOCK_SOURCE	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.

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

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

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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Allowable Values	
YYYY	Minimum year – system date year, 8888, 9999
MM	01 – 12, 88, 99
DD	01 – 31, 88, 99
If YYYY	9999 then MM and DD must
If MM	99 then DD must

9	DATE_TAKEN	string (8)	Required:true
Date specimen was taken from patient. Format: YYYYMMDD.			

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
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Allowable Values	
YYYY	Minimum year – system date year, 8888, 9999
MM	01 – 12, 88, 99
DD	01 – 31, 88, 99
If YYYY	9999 then MM and DD must
If MM	99 then DD must

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

Allowable Values

1	Yes
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2	No
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11	TISSUE_TYPE	number (1,0)	Required:true
Type of tissue specimen received.			

Allowable Values

1	Tumor
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2	Prophylactic material
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3	Normal tissue
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4	Tumor + normal tissue
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5	Polyp + normal tissue
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6	Polyp
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9	Not Known
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10	Metastatic
11	Local recurrence

12	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.			

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:

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

13	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

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](#)
- 13.[EN_NEO_CELL_PC](#)

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	Sinai Health Systems (formerly Cancer Care Ontario)
12	University of Southern California Consortium (USCC)
13	University of Melbourne
14	University of Hawaii Cancer Center
15	Mayo Clinic
16	Fred Hutch, Seattle
17	University of California at San Francisco (UCSF) (formerly CPIC, originally 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
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Indicates whether the center is willing to dispatch the material to external investigators.

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:

Allowable Values

1 Yes

2 No

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.

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

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).

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

Allowable Values

1 Center

4 Multiple Sites

9 Unknown/lost

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. This need only be populated where BLOCK_PROD_TYPE = 1 or 2 (H & E slide).

Allowable Values

1 Yes

13 **EN_NEO_CELL_PC** number (3,0) Required:false
Proportion (defined as percent) of tumor within tumor bed (area on PET slide that contains tumor cells) that contains the highest density of tumor cells compared to non-neoplastic elements. This need only be populated where BLOCK_PROD_TYPE = 1 or 2 (H & E slide).

Allowable Values	
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1 to 100 or 999	Range
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999	Unknown
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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	Sinai Health Systems (formerly Cancer Care Ontario)
12	University of Southern California Consortium (USCC)
13	University of Melbourne
14	University of Hawaii Cancer Center
15	Mayo Clinic
16	Fred Hutch, Seattle
17	University of California at San Francisco (UCSF) (formerly CPIC, originally 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	Range
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or -9, -15	
1, 2, 3, ...	Number of tumor on cancer table
-9	NA/Out of scope: Tissue is not cancer or contiguous adenoma
-15	Information Unknown

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

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. Format: YYYYMMDD.			

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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Allowable Values	
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YYYY	Minimum year – system date year, 8888, 9999
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MM	01 – 12, 88, 99
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DD	01 – 31, 88, 99
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If YYYY	9999 then MM and DD must
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If MM	99 then DD must
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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	
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1	Yes
----------	-----

2	No
----------	----

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.

Allowable Values	
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1	Yes
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2	No
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9	Not Known
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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	Sinai Health Systems (formerly Cancer Care Ontario)
12	University of Southern California Consortium (USCC)
13	University of Melbourne
14	University of Hawaii Cancer Center
15	Mayo Clinic
16	Fred Hutch, Seattle
17	University of California at San Francisco (UCSF) (formerly CPIC, originally 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	
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1	Yes
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2	No
---	----

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

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

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

Allowable Values	
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1	Fresh frozen
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2	Fresh frozen in RNA later
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3	Embedded in OCT, then frozen
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7	COUNT_ORIG	number (4,0)	Required:true
Original number of tubes in the group corresponding to this record.			

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).			

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).			

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

Allowable Values	
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1	-20 °C
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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

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	Sinai Health Systems (formerly Cancer Care Ontario)
12	University of Southern California Consortium (USCC)
13	University of Melbourne
14	University of Hawaii Cancer Center
15	Mayo Clinic
16	Fred Hutch, Seattle
17	University of California at San Francisco (UCSF) (formerly CPIC, originally 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. Format: YYYYMMDD.			

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
-------------	--------------

5

DATE_TAKEN

string (8)

Required:false

Date specimen was taken from patient. Format: YYYYMMDD.

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
-------------	--------------

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

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	Sinai Health Systems (formerly Cancer Care Ontario)
12	University of Southern California Consortium (USCC)
13	University of Melbourne
14	University of Hawaii Cancer Center
15	Mayo Clinic
16	Fred Hutch, Seattle
17	University of California at San Francisco (UCSF) (formerly CPIC, originally 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. Format: YYYYMMDD.		

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
-------------	--------------

Allowable Values	
YYYY	Minimum year – system date year, 8888, 9999
MM	01 – 12, 88, 99
DD	01 – 31, 88, 99
If YYYY	9999 then MM and DD must
If MM	99 then DD must

5

DATE_TAKEN

string (8)

Required:false

Date specimen was taken from patient. Format: YYYYMMDD.

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
-------------	--------------

Allowable Values	
YYYY	Minimum year – system date year, 8888, 9999

MM	01 – 12, 88, 99
DD	01 – 31, 88, 99
If YYYY	9999 then MM and DD must
If MM	99 then DD must

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	Sinai Health Systems (formerly Cancer Care Ontario)
12	University of Southern California Consortium (USCC)
13	University of Melbourne
14	University of Hawaii Cancer Center
15	Mayo Clinic
16	Fred Hutch, Seattle
17	University of California at San Francisco (UCSF) (formerly CPIC, originally 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.			

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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.		

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:

Allowable Values	
1	Yes
2	No

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..

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).

9

COUNT_REM_DISP

number (4,0)

Required:false

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).

10

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
---	--------------

11	DATE_TIME_PROCESSED	number (12,0)	Required:false
Records the date sample was processed. Format: YYYYMMDD.			

12	AMT_ORIG	number (6,2)	Required:false
Original amount of material in milliliters.			

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

13	AMT_REM	number (6,2)	Required:false
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

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

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

16	FREEZE_COUNT	number (1,0)	Required:false
Number of times sample tube has been frozen. The default value is '1', indicating the sample had been frozen only once, following the blood processing. If the sample is subsequently thawed and refrozen, the value would be 2, etc.			

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

Module: biospecimens

Module Contents

lcl-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.			

Allowable Values

11	Sinai Health Systems (formerly Cancer Care Ontario)
12	University of Southern California Consortium (USCC)
13	University of Melbourne
14	University of Hawaii Cancer Center
15	Mayo Clinic
16	Fred Hutch, Seattle
17	University of California at San Francisco (UCSF) (formerly CPIC, originally 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.

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 |

6	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 |

7	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 |

8	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

9

GENERATION

number (1,0)

Required:true

Generation or passage of culture.

Allowable Values

1 Generation 1: Initial transformed cell line

2 Generation 2: Line made from Generation 1 LCL

3 Generation 3: Line made from Generation 2 LCL

4 Generation 4: Line made from Generation 3 LCL

10

LCL_CID_SOURCE

string (11)

Required:false

LCL_CID of the sample used to expand cell lines

11

BLOOD_PROD_CID

string (16)

Required:false

Identifier used internally by centers for a product from a blood draw.

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.			

16	DATE_FROZEN	string (8)	Required:false
Date the LCL was frozen. Format: YYYYMMDD.			

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.

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

The following special parameters are used:

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

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	Sinai Health Systems (formerly Cancer Care Ontario)
12	University of Southern California Consortium (USCC)
13	University of Melbourne
14	University of Hawaii Cancer Center
15	Mayo Clinic
16	Fred Hutch, Seattle
17	University of California at San Francisco (UCSF) (formerly CPIC, originally 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.																																	
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2	RNA																																
9	Unknown																																
5	DATE_MADE	string (8)	Required:true																														
Date specimen was made. Format: YYYYMMDD.																																	
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6	IS_DEPLETED	number (1,0)	Required:true																														
Indicates whether the material has been depleted through testing, processing, and dispatching.																																	
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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

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

9

IDENTITY_TEST

number (1,0)

Required:false

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

10

IDENTITY_TEST_DATE

string (8)

Required:false

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

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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
-------------	--------------

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
-----------	------------------

NUC_ACID_SOURCE

number (2,0)

Required:false

13 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
15	Saliva
16	Whole Genome amplified DNA
99	Unknown

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

15	BLOCK_PROD_CID	string (15)	Required:false
Unique local identifier used at a center to uniquely identify a block.			

16	FRESH_PROD_CID	string (15)	Required:false
Identifier used internally by centers for a product of a fresh tissue specimen.			

17	LCL_CID	string (10)	Required:false
Identifier used internally by centers for a lymphocytic cell line transformation or expansion.			

18	ORAL_SPEC_CID	string (40)	Required:false
Identifier used internally by centers for an oral sample.			

19	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

20	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	Fluorescence (e.g., Picogreen, Qubit)
2	Spectrophotometry (e.g., Nanodrop)
4	Other (e.g., Trinean DropSense96, Bioanalyser, TapeStation)