Case Quality Control Form (CQCF): Lung

V4.40

Tissue Source Site (TSS) Name: _____ TSS Identifier: _____ TSS Unique Patient #: _____

Completed By: _____ Completion Date (MM/DD/YYYY): _____

Form Notes:*Tissue Source Site (TSS) acknowledges that the Biospecimen Core Resource (BCR) may confirm that the diagnosis of the frozen biospecimen is consistent with the primary diagnosis reported by the TSS through histopathology examination in the BCR laboratory. If the BCR identifies a possible discrepancy, the TSS authorizes the BCR to report these patient results to the TSS by means of a formal report in confidential email format for the quality assurance program of the TSS to address.*

Question #	Data Element Label	Data Entry Alternatives	CDE ID With Working Instructions
1	Has this TSS received permission from the NCI to provide time intervals as a substitute for requested dates on this form?	☐ Yes ☐ No	Please note that time intervals must be recorded in place of dates where designated throughout this form if you have selected "yes" in the box to the left. ***Note 1: Provided time intervals must begin with the date of initial pathologic diagnosis. (i.e., biopsy or resection)*** ***Note 2: Only provide interval data if you have received permission from the NCI to provide time intervals as a substitute for requested dates on this form.***
2	Tumor Identifier	_____	3288096 Provide the TSS unique tumor ID. If multiple pieces of tumor are submitted, each tumor needs a unique ID. ***Note: If submitting multiple pieces of the same primary tumor for this case, complete the tumor information for each piece of tumor sent to the BCR.***
3	Lung Squamous: Histologic Subtype	☐ Papillary Squamous Cell Carcinoma ☐ Clear Cell Squamous Cell Carcinoma ☐ Small Cell Squamous Cell Carcinoma ☐ Basaloid Squamous Cell Carcinoma ☐ Squamous Cell Carcinoma, Not Otherwise Specified (NOS)	3081934 Indicate the histologic subtype for the lung squamous cell tumor sample being submitted to TCGA. ***Note 1: The listed histologies are the only squamous cell histologies being accepted for the TCGA Project.*** ***Note 2: Squamous Cell Carcinoma tumors are allowed a minor component of < or = 5% Adenocarcinoma.***
4	Lung Adeno: Histologic Subtype	☐ Adenocarcinoma, Mixed Subtype ☐ Acinar Adenocarcinoma ☐ Papillary Adenocarcinoma ☐ Bronchioloalveolar Carcinoma, Mucinous ☐ Bronchioloalveolar Carcinoma, Non-Mucinous ☐ Solid Pattern Predominant Adenocarcinoma ☐ Micropapillary Adenocarcinoma ☐ Fetal Adenocarcinoma ☐ Mucinous Cystadenocarcinoma ☐ Mucinous (Colloid) Adenocarcinoma ☐ Signet Ring Adenocarcinoma ☐ Clear Cell Adenocarcinoma ☐ Adenocarcinoma, Not Otherwise Specified (NOS)	3081934 Indicate the histologic subtype for the lung adenocarcinoma tumor sample being submitted to TCGA. ***Note: The listed histologies are the only adenocarcinoma histologies being accepted for the TCGA Project.***
5	Tumor Type	☐ Primary	3288124 Confirm that the tumor being submitted to TCGA is a primary untreated malignant biospecimen.
6	Tumor Site (Anatomic Site of Frozen Biospecimen)	☐ Right Upper Lobe Lung ☐ Right Middle Lobe Lung ☐ Right Lower Lobe Lung ☐ Left Upper Lobe Lung ☐ Left Lower Lobe Lung ☐ Bronchus ☐ Other *(please specify below)*	2008006 Indicate the tumor site (anatomic site of the frozen tumor) submitted for TCGA.

Question #	Data Element Label	Data Entry Alternatives	CDE ID With Working Instructions
7	Other Anatomic Site of Frozen Biospecimen	_____	3320289 If the anatomic site of the frozen biospecimen is not included in the provided list, indicate the other anatomic site of the frozen tumor submitted to TCGA.
Date of Cancer Sample Procurement			
8	Month of Cancer Sample Procurement	☐☐ (MM)	3008197 Provide the month of the procedure performed to obtain the malignant tissue submitted for TCGA.
9	Day of Cancer Sample Procurement	☐☐ (DD)	3008195 Provide the day of the procedure performed to obtain the malignant tissue submitted for TCGA.
10	Year of Cancer Sample Procurement	☐☐☐☐ (YYYY)	3008199 Provide the year of the procedure performed to obtain the malignant tissue submitted for TCGA.
11	Number of Days from Date of Initial Pathologic Diagnosis to Date of Cancer Sample Procurement	_____	3288495 Provide the number of days from the date the patient was initially diagnosed pathologically with the disease described on this form to the date of the procedure that produced the malignant sample submitted for TCGA. ***Note: Only provide interval data if you have received permission from the NCI to provide time intervals as a substitute for requested dates on this form.***
12	Method of Cancer Sample Procurement	☐ Cytology ☐ Fine Needle Aspiration Biopsy ☐ Incisional Biopsy ☐ Excisional Biopsy ☐ Tumor Resection ☐ Other Method (*please specify below*)	3103514 Indicate the procedure performed to obtain the malignant tissue submitted for TCGA.
13	Other Method of Cancer Sample Procurement	_____	2006730 If the procedure performed to obtain the malignant tissue is not included in the provided list, specify the procedure.
14	Country of Cancer Sample Procurement	_____	3203072 Provide the country where the tissue submitted for TCGA was procured.
15	Race	☐ American Indian or Alaska Native *A person having origins in any of the original peoples of North and South America (including Central America), and who maintains tribal affiliation or community attachment.* ☐ Asian *A person having origins in any of the original peoples of the far East, Southeast Asia, or in the Indian subcontinent including, for example, Cambodia, China, India, Japan, Korea, Malaysia, Pakistan, the Philippine Islands, Thailand, and Vietnam.* ☐ White *A person having origins in any of the original peoples of the far Europe, the Middle East, or North Africa.* ☐ Black or African American *A person having origins in any of any of the black racial groups of Africa. Terms such as "Haitian" or "Negro" can be used in addition to "Black or African American."* ☐ Native Hawaiian or other Pacific Islander: *A person having origins in any of the original peoples of Hawaii, Guam, Samoa, or other Pacific Islands.* ☐ Not Reported: *Not provided or available.* ☐ Unknown: *Could not be determined.*	2192199 Provide the patient's race using the defined categories.

Question #	Data Element Label	Data Entry Alternatives	CDE ID With Working Instructions
16	Ethnicity	☐ Not Hispanic or Latino *A person not meeting the definition of Hispanic or Latino.* ☐ Hispanic or Latino *A person of Mexican, Puerto Rican, Cuban, Central or South American or other Spanish culture or origin, regardless of race.* ☐ Not Evaluated *Not provided or available.* ☐ Unknown *Could not be determined or unsure.*	2192217 Provide the patient's ethnicity using the defined categories.
17	Vessel Used	☐ Cryovial ☐ Cryomold ☐ Cassette ☐ Biospecimen Storage Bag ☐ Other vessel (*please specify below*)	3081940 Indicate the type of vessel used to ship the tissue to the Biospecimen Core Resource (BCR) for TCGA.
18	Other Vessel Used	_____	3288137 If the vessel used to ship tissue to the Biospecimen Core Resource (BCR) is not included in the provided list, specify the other type of vessel used.
19	Weight of Frozen Tumor	_____	3081946 Provide the weight of the tumor sample submitted for TCGA. ***Note: (0.2cm^3 (0.6cm * 0.6cm * 0.6cm) = ~200mg***
20	Is Tumor Sample being Submitted for Laser Cryo Enrichment (LCE) Processing?	☐ Yes ☐ No	3288488 Indicate if the tumor sample being submitted is to be processed using Laser Cryo Enrichment (LCE).
21	Tumor Nuclei %	_____	2841225 Provide the percent of tumor nuclei for the sample submitted for TCGA. ***Note: Check with the BCR to confirm the current acceptable TCGA metrics.***
22	Tumor Necrosis %	_____	2841237 Provide the percent of necrosis for the sample submitted for TCGA. *Check* ***Note: Check with the BCR to confirm the current acceptable TCGA metrics.***
23	Was sample prescreened at site?	☐ Yes ☐ No	3081942 Indicate whether the sample submitted to the BCR was prescreened at the TSS.
24	Will Top Slide be submitted to the BCR?	☐ Yes ☐ No	3081944 Indicate whether a physical top slide for the sample submitted to the BCR will be shipped with the tissue sample. ***Note: Top slide definition: Slide cut directly from frozen biospecimen = mirror image of inked surface.***
25	Will Digital Slide Image be submitted to the BCR?	☐ Yes ☐ No	3081948 Indicate whether a digital slide image for the sample submitted to the BCR will be shipped with the tissue sample. ***Note: Physical top slides are preferred.***
26	Top Slide / Digital Slide Image ID #	_____	2321277 Provide the slide ID for the physical top slide OR the digital slide image being sent to the BCR.
Normal Information: A normal control must be present to qualify			
27	Normal Identifier	_____	3288138 Provide the TSS unique normal ID. If multiple normal control samples are submitted, each normal control needs a unique ID.
28	Type of Normal Control	☐ Whole Blood ☐ Lymphocytes (Buffy Coat) ☐ Extracted DNA from Blood ☐ Normal Tissue	3081936 Indicate the type of normal control submitted for this case. ***Note: Whole blood is preferred. Normal tissue is only allowable with NCI approval.***

Question #	Data Element Label	Data Entry Alternatives	CDE ID With Working Instructions
29	Anatomic Site of Normal Tissue	☐ Right Upper Lobe Lung ☐ Right Middle Lobe Lung ☐ Right Lower Lobe Lung ☐ Left Upper Lobe Lung ☐ Left Lower Lobe Lung ☐ Bronchus ☐ Other (*please specify below*)	3081938 If the normal control type is normal tissue, indicate the anatomic site of the non-neoplastic control tissue submitted for TCGA. ***Note: If normal tissue is being submitted, site matched is preferred.***
30	Other Anatomic Site of Normal Tissue	_____	3288189 If the normal control type is normal tissue and the anatomic site is not included in the provided list, specify the site of the non-neoplastic control.
31	Proximity of Normal Tissue to Tumor	☐ Distal (≥ 2 cm) from the primary tumor ☐ Adjacent (≤2 cm) from the primary tumor	3088708 If normal tissue is being submitted, confirm that the normal tissue is ≥ 2.0cm from the primary lung tumor. ***Note: Adjacent and/or tissue of unknown proximity are not accepted for this tissue type.***
Date of Normal Sample Procurement			
32	Month of Normal Sample Procurement	☐☐ (MM)	3288195 Provide the month of the procedure performed to obtain the normal control sample for TCGA.
33	Day of Normal Sample Procurement	☐☐ (DD)	3288196 Provide the day of the procedure performed to obtain the normal control sample for TCGA.
34	Year of Normal Sample Procurement	☐☐☐☐ (YYYY)	3288197 Provide the year of the procedure performed to obtain the normal control sample for TCGA.
35	Number of Days from Date of Initial Pathologic diagnosis to Date of Normal Sample Procurement	_____	3288496 Provide the number of days from the date the patient was initially diagnosed pathologically with the disease described on this form to the date of the procedure that produced the normal control sample submitted for TCGA. ***Note: Only provide interval data if you have received permission from the NCI to provide time intervals as a substitute for requested dates on this form.***
36	Method of Normal Sample Procurement	☐ Blood Draw ☐ Cytology ☐ Fine Needle Aspiration Biopsy ☐ Incisional Biopsy ☐ Excisional Biopsy ☐ Tumor Resection ☐ Other Method (*please specify below*)	3288147 Indicate the procedure performed to obtain the normal sample submitted for TCGA.
37	Other Method of Normal Sample Procurement	_____	3288151 If the procedure performed to obtain the normal sample is not included in the provided list, specify the procedure.
38	Normal Slide ID #	_____	3288217 If the normal control type is normal tissue, provide the slide ID for the physical top slide OR the digital slide image of the normal control being sent to the BCR.
39	Extracted DNA Quantity	_____	3288185 If the normal control type is extracted DNA from blood, provide the quantity (µg) of the normal control sample sent to the BCR for TCGA.
40	Extracted DNA Quantification Method	_____	3288186 If the normal control type is extracted DNA from blood, provide the quantification method of the normal control sample sent to the BCR for TCGA.
41	Extracted DNA Concentration	_____	3288187 If the normal control type is extracted DNA from blood, provide the concentration (µg/ µL) of the normal control sample sent to the BCR

Question #	Data Element Label	Data Entry Alternatives	CDE ID With Working Instructions
			for TCGA.
42	Extracted DNA Volume	_____	3288188 If the normal control type is extracted DNA from blood, provide the volume (µL) of the normal control sample sent to the BCR for TCGA.
Verification: *By providing the information below, the Principal Investigator acknowledges that the information provided by the institution is true and correct and has been quality controlled.*			
43	Name of Pathologist	_____	3288225 Provide the name of the Pathologist that reviewed and prescreened the top slide and provided the information for all previous sections.
44	Date of Pathologist Review	☐☐/☐☐/☐☐☐☐ **(MM/DD/YYYY)**	3288224 Provide the date of the pathology prescreening review performed by the TSS pathologist above.
45	Number of Days from Date of Initial Pathologic Diagnosis to Date of Pathological Review	_____	3288497 Provide the number of days from the date the patient was initially diagnosed pathologically with the disease described on this form to the date of the pathological review performed as part of the submission process for TCGA. ***Note: Only provide interval data if you have received permission from the NCI to provide time intervals as a substitute for requested dates on this form.***
46	Percent Tumor Nuclei meets TCGA metrics?	☐ Yes ☐ No	3288520 Confirm that the malignant sample submitted to the BCR meets the current tumor nuclei metrics for TCGA. *Check with the BCR to confirm the current acceptable TCGA metrics.*
47	Percent Tumor Necrosis meets TCGA metrics?	☐ Yes ☐ No	3288524 Confirm that the malignant sample submitted to the BCR meets the current necrosis metrics for TCGA. *Check with the BCR to confirm the current acceptable TCGA metrics.*
48	Is the histologic diagnosis on the CQCF (as determined by the TSS pathology review of the TCGA frozen section top slide) consistent with the histology listed in the final diagnosis on the pathology report?	☐ Yes (*skip related question below).* ☐ No	3288300 Confirm that the diagnosis provided on this CQCF for the tumor sample being submitted to TCGA is consistent with the diagnosis found on the patient's pathology report for the tumor being sent to the BCR. ***Note: The diagnosis is considered to be consistent if at least one of the following criteria are met:*** ***1) Diagnosis on the CQCF is identical to the pathology report for the tumor being sent to the BCR.*** ***2) Diagnosis on the CQCF includes at least one of the subtypes listed on the pathology report and all subtypes on the pathology report are acceptable for TCGA.*** ***3) Diagnosis on the CQCF is "histology, NOS" (i.e. Adenocarcinoma, NOS) and the pathology report lists a specific subtype within the same histological group.*** *4)* ***Diagnosis on the CQCF indicates "Mixed Subtype" and the pathology report lists two or more acceptable subtypes, provided that percent subtype(s) meet applicable TCGA disease-specific requirements.***
49	If the diagnosis on this form is not consistent with the provided pathology report, indicate the reason for the inconsistency.	☐ Macrodissection performed at TSS to select for region containing an acceptable TCGA diagnosis ☐ Pathology analysis at TSS determined a specific histological subtype different from original pathology report (see note at right) ☐ Pathology review of frozen section for TCGA determined histological subtype different from the pathology report (see note at right)	3288315 If the diagnosis provided on this form is not consistent with the diagnosis found on the patient's pathology report for the tumor being submitted for TCGA, specify a reason for this inconsistency. ***Note: If a TSS pathology review of the TCGA committed sample resulted in a different histological subtype than what is documented on the pathology report, an amendment to the pathology report should be submitted when the sample is shipped to the BCR; or in the absence of an amended pathology report, the TSS must complete and submit an electronic copy of the "TCGA Pathologic Diagnosis Discrepancy Form." In the case of diagnosis modifications, institution protocol should be followed for proper quality assurance***
50	De-Identified Pathology Report Submitted?	☐ Yes ☐ No	3288292 Confirm that a de-identified pathology report will be sent to BCR prior to or with the shipment of the physical samples.
51	History of Neo-Adjuvant Treatment to Tumor Specimen Submitted for TCGA	☐ No ☐ Radiation Prior to Sample Procurement	3382737 Indicate whether the patient received therapy for this cancer prior to sample procurement of the tumor submitted for TCGA. If the patient did receive treatment for this cancer prior to procurement,

Question #	Data Element Label	Data Entry Alternatives	CDE ID With Working Instructions
		☐ Pharmaceutical Treatment Prior to Sample Procurement ☐ Both Pharmaceutical and Radiation Treatment Prior to Sample Procurement	the TSS should contact the BCR for further instructions. ***Note: Systemic treatment and certain localized therapies (those administered to the same site as the TCGA submitted tissue) given prior to procurement of the sample submitted for TCGA are exclusionary.***
52	Has the Patient Had Any Prior Cancer Diagnosed?	☐ No ☐ History of Prior Malignancy ☐ History of Synchronous / Bilateral Malignancy	3382736 Indicate whether the patient has a history of prior malignancies. ***Note 1: If this question cannot be answered because the answer is unknown, the case will be excluded from TCGA.*** ***Note 2: If the patient has any history of prior malignancies, including synchronous or bilateral malignancies, please complete an "Other Malignancy Form" for each malignancy diagnosed prior to the procurement of the tissue submitted for TCGA. If the patient has a history of multiple diagnoses of basal and/or squamous cell skin cancers, complete an "Other Malignancy Form" for the first diagnosis for each of these types.***
53	Consent Status	☐ Consented ☐ Deceased ☐ Exemption 4 ☐ Waiver	3288361 Indicate whether the patient was formally consented, consented by death, or if the case has an exemption or waiver for consent Indicate whether the patient was formally consented, consented by death, or if the case has an exemption or waiver for consent. ***Note: Either the Date of Consent or the Date of Death must be provided to qualify.***
Date of Consent			
54	Month of Consent	☐☐ (MM)	3081955 If the patient was formally consented, provide the month of consent. ***Note: Do not answer this question if the patient consented by death only.***
55	Day of Consent	☐☐ (DD)	3081957 If the patient was formally consented, provide the day of consent. ***Note: Do not answer this question if the patient consented by death only.***
56	Year of Consent	☐☐☐☐ (YYYY)	3081959 If the patient was formally consented, provide the year of consent. ***Note: Do not answer this question if the patient consented by death only.***
57	Number of Days from Date of Initial Pathologic diagnosis to Date of Consent	_____	3288498 If the patient formally consented, provide the number of days from the date the patient was initially diagnosed pathologically with the disease described on this form to the date of the patient's formal consent. ***Note: Only provide interval data if you have received permission from the NCI to provide time intervals as a substitute for requested dates on this form.***
Date of Death			
58	Month of Death	☐☐ (MM)	2897026 If the patient consented by death, provide the month of death. ***Note: If the patient formally consented, only supply the date the patient consent.***
59	Day of Death	☐☐ (DD)	2897028 If the patient consented by death, provide the day of death ***Note: If the patient formally consented, only supply the date the patient consent.***
60	Year of Death	☐☐☐☐ (YYYY)	2897030 If the patient consented by death, provide the year of death. ***Note: If the patient formally consented, only supply the date the patient consent.***
61	Number of Days from Date of Initial Pathologic diagnosis to Date of Death	_____	3288499 If the patient consented by death, provide the number of days from the date the patient was initially diagnosed pathologically with the disease described on this form to the date of the patient's death. ***Note 1: Only provide interval data if you have received permission from the NCI to provide time intervals as a substitute for requested dates on this form.*** ***Note 2: If the patient formally consented prior to death, do not***

Question #	Data Element Label	Data Entry Alternatives	CDE ID With Working Instructions
			answer this question. Only answer the question above that asks for the number of days between the date of diagnosis and the date of the patient consent.

Comments:

_____

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_____

Principal Investigator Name: _____ Principal Investigator Signature: _____

Date Signed (MM/DD/YYYY): _____