Initial Case Quality Control Form

Thyroid (THCA)

Instructions: This form should be completed for all cases submitted for TCGA, prior to the shipment of samples to the BCR.

Questions regarding this form should be directed to the Tissue Source Site's primary Clinical Outreach Contact at the BCR.

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.

result	results to the TSS by means of a formal report in confidential email format for the quality assurance program of the TSS to address.																
Tissue Source Site (TSS):TSS ID:TSS Unique Patient ID:Interviewer Name:								Interview Date / / /									
	this TSS received permission from the NCI to provide time intervals as a substitute for requested dates on this form? \Box Yes \Box No ee: Provided time intervals must begin with the date of initial pathologic diagnosis.																
Tumo	or Information: The following	ng sectio	ns are t	o be pr	ovided	by a Pa	thologis	st.									
#	Question		Entry Alternatives										Working Instructions				
1	Diagnosis	_	Subtypes Classical/Usual (Papillary, NOS) Follicular (99% follicular patterned) Tall cell (50% tall cell features) Other, specify								Indicate the confirmed diagnosis of the tumor submitted for TCGA. 3081934						
2	Other Diagnosis													If the diagnosis of the tumor submitted for TCGA is not included in the provided list, specify the diagnosis. 3124492			
3	Does this specimen have oncocytic variant features?	□ No	☐ Yes ☐ No ☐ Unknown											Indicate whether the confirmed diagnosis of the tumor submitted for TCGA contained oncocytic variant features. 3630771			
4	Tumor Type	□ Pri	☐ Primary (primary untreated malignant biospecimen)										Indicate the type of tumor submitted for TCGA. 328124 This is a biospecimen that has not been treated with chemotherapy (including intravesical treatment) or radiation prior to resection.				
5	Anatomic Organ Sub- Division of Frozen Biospecimen		☐ Thyroid, NOS ☐ Thyroid, Left ☐ Thyroid, Isthmus										Indicate the anatomic site of the frozen tumor biospecimen submitted for TCGA. $\underline{2008006}$				
6	Tumor Focality	☐ Unifocal ☐ Multifocal*										Indicate the focality of the tumor. Include all areas of the tumor. 3174022 *Non-neoplastic control tissue FROM THYROID is exclusionary for multifocal tumor submissions.					
Date	of Cancer Sample Procure	ment															
7	Month of Cancer Sample Procurement	□ 01	1 02	1 03	1 04		1 06	1 07	□ 08	1 09	1 0	1 1		Provide the month of the procedure performed to obtain the malignant tissue submitted for TCGA. 3008197			
8	Day of Cancer Sample Procurement	□ 01 □ 13 □ 25	□ 02 □ 14 □ 26	□ 03 □ 15 □ 27	□ 04 □ 16 □ 28	□ 05 □ 17 □ 29	□ 06 □ 18 □ 30	□ 07 □ 19 □ 31	□ 08 □ 20	□ 09 □ 21	□ 10 □ 22	□ 11 □ 23	□ 12 □ 24	Provide the day of the procedure performed to obtain the malignant tissue submitted for TCGA. $\underline{3008195}$			
9	Year of Cancer Sample Procurement													Provide the year of the procedure performed to obtain the malignant tissue submitted for TCGA. 3008199			

#	Question	Entry Alternatives	Working Instructions
10	Method of Cancer Sample Procurement	□ Surgical Resection	Indicate the procedure performed to obtain the malignant tissue submitted for TCGA. 3103514
11	Country Where Cancer Sample was Procured		Provide the country where the tissue submitted for TCGA was procured. 3203072
12	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	Provide the patient's race using the defined categories. 2192199
13	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	Provide the patient's ethnicity using the defined categories. 2192217
14	Vessel Used	☐ Cryovial ☐ Cassette ☐ Other, specify ☐ Biospecimen Storage Bag ☐ Cryomold	Indicate the type of vessel used to ship the tissue to the Biospecimen Core Resource (BCR) for TCGA. 3081940
15	Other Vessel Used		If the vessel used to ship the tissue to the BCR is not included in the provided list, specify the vessel used. 3288137
16	Is tumor sample being submitted for Laser Cryo-Enrichment (LCE)?	□ Yes □ No	Indicate whether the tumor sample submitted to the BCR is intended to undergo Laser Cryo-Enrichment (LCE) after the BCR receives the sample. 3288488
17	Was sample prescreened at site?	□ Yes □ No	Indicate whether the sample submitted to the BCR was prescreened at the TSS. 3081942
18	Will top slide be submitted to the BCR?	□ Yes □ No	Indicate whether a physical top slide for the sample submitted to the BCR will be shipped with the tissue sample. 3081944 Top Slide Definition: Slide cut directly from frozen biospecimen = mirror image of inked surface

#	Question	Entry Alternatives	Working Instructions							
19	Will digital top slide image be sent to the BCR?	□ Yes □ No	Indicate whether a digital slide image for the sample submitted to the BCR will be shipped with the tissue sample. 3081948 Physical top-slides are preferred.							
20	Will FFPE slide or image be submitted to the BCR?	□ Slide □ Image	Indicate whether a physical slide or digital slide image of the formalin-fixed paraffin-embedded (FFPE) diagnostic block will be shipped with the tissue sample to the BCR. 3295811 If the FFPE slide(s) or image(s) are sent in a shipment subsequent to the initial submission of tumor and normal samples, these questions can be skipped.							
21	FFPE Slide/Digital Image ID#		Provide the slide ID for the physical FFPE slide OR the FFPE digital slide image being sent to the BCR. 3295810							
Tum	or Information If the TSS is	submitting multiple pieces of the same primary tumor for this case; complete the following	g information for each piece of tumor sent to the BCR							
22	Tumor Identifier		Provide the TSS unique tumor ID. If multiple pieces of tumor are submitted, each tumor needs a unique ID. 3288096							
23	Weight of Frozen Tumor	(mg) (0.2cm³ (0.6cm * 0.6cm * 0.6cm) = ~200mg	Provide the weight of the tumor sample submitted for TCGA. 3081946							
24	Tumor Nuclei %	(%)	Provide the percent of tumor nuclei for the sample submitted for TCGA. 2841225 Check with the BCR to confirm the current acceptable TCGA metrics.							
25	Necrosis %	(%)	Provide the percent of necrosis for the sample submitted for TCGA. 2841237 Check with the BCR to confirm the current acceptable TCGA metrics.							
26	Slide/Digital Image ID #		Provide the slide ID for the physical top slide OR the digital slide image being sent to the BCR. 2321277							
Norm	al Information A normal co	ontrol must be present to qualify.								
25	Type(s) of Normal Control Check all that apply	☐ Whole Blood ☐ Buffy Coat ☐ Lymphocytes ☐ Extracted DNA from Blood ☐ Non-Neoplastic Control Tissue*	Indicate the type of normal control submitted for this case. 3081936 *Non-neoplastic Control Tissue may only be submitted with NCI approval.							
Norr	nal Control: Whole Blood									
<u>26</u>	Method of Normal Sample Procurement	□ Blood Draw	Indicate the procedure performed to obtain the normal control sample submitted for TCGA. 3288147							
<u>27</u>	Month of Normal Sample Procurement	01 02 03 04 05 06 07 08 09 10 11 12	Provide the month of the procedure performed to obtain the normal control submitted for TCGA. 3288195							
<u>28</u>	Day of Normal Sample Procurement	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Provide the day of the procedure performed to obtain the normal control submitted for TCGA. 3288196							
<u>29</u>	Year of Normal Sample Procurement		Provide the year of the procedure performed to obtain the normal control submitted for TCGA.							

Quantification Method

Extracted DNA

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#	Question	Entry Alternatives	Working Instructions								
<u>30</u>	Normal Identifier		Provide the TSS unique normal ID. If multiple normal control samples are submitted, each normal control needs a unique ID. 3288138								
Norn	rmal Control: Buffy Coat/ Lymphocytes										
<u>31</u>	Normal Control Type	☐ Buffy Coat ☐ Lymphocytes	Indicate the type of normal control submitted for TCGA. $\underline{3081936}$								
<u>32</u>	Method of Normal Sample Procurement	□ Blood Draw	Indicate the procedure performed to obtain the normal control sample submitted for TCGA. 3288147								
<u>33</u>	Month of Normal Sample Procurement	01 02 03 04 05 06 07 08 09 10 11 12	Provide the month of the procedure performed to obtain the normal control submitted for TCGA. 3288195								
<u>34</u>	Day of Normal Sample Procurement	01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	Provide the day of the procedure performed to obtain the normal control submitted for TCGA. 3288196								
<u>35</u>	Year of Normal Sample Procurement		Provide the year of the procedure performed to obtain the normal control submitted for TCGA. 3288197								
<u>36</u>	Normal Identifier		Provide the TSS unique normal ID. If multiple normal control samples are submitted, each normal control needs a unique ID. 3288138								
Norn	nal Control: Extracted DNA	from Blood									
<u>37</u>	Method of Normal Sample Procurement	□ Blood Draw	Indicate the procedure performed to obtain the normal control sample submitted for TCGA. 3288147								
<u>38</u>	Month of Normal Sample Procurement	01 02 03 04 05 06 07 08 09 10 11 12	Provide the month of the procedure performed to obtain the normal control submitted for TCGA. 3288195								
<u>39</u>	Day of Normal Sample Procurement	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Provide the day of the procedure performed to obtain the normal control submitted for TCGA. 3288196								
<u>40</u>	Year of Normal Sample Procurement		Provide the year of the procedure performed to obtain the normal control submitted for TCGA. 3288197								
<u>41</u>	Normal Identifier		Provide the TSS unique normal ID. If multiple normal control samples are submitted, each normal control needs a unique ID. 3288138								
<u>42</u>	Extracted DNA Quantity	(µg)	Provide the quantity (µg) of the normal control sample sent to the BCR for TCGA. $\underline{3288185}$								
<u>43</u>	Extracted DNA		Provide the quantification method of the normal control sample sent to the BCR for TCGA.								

_(μg/μL)

3288186

Provide the concentration (µg/ µL) of the normal control

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#	Question	Entry Alternatives	Working Instructions									
	Concentration		sample sent to the BCR for TCGA. 3288187									
<u>45</u>	Extracted DNA Volume	Provide the volume (μ L) of the normal control sample sent to the BCR for TCGA. 3288188										
Norn	Normal Control: Non-Neoplastic Control Tissue											
<u>46</u>	Method of Normal Sample Procurement	□ Surgical Resection □ Excisional Biopsy □ Other Method (please specify)	Indicate the procedure performed to obtain the normal control sample submitted for TCGA. 3288147									
<u>47</u>	Other Method of Normal Sample Procurement		If the procedure performed to obtain the normal sample is not included in the provided list, specify the procedure. $\underline{3288151}$									
48	Month of Normal Sample Procurement	□ 01 □ 02 □ 03 □ 04 □ 05 □ 06 □ 07 □ 08 □ 09 □ 10 □ 11 □ 12	Provide the month of the procedure performed to obtain the normal control submitted for TCGA. 3288195									
<u>49</u>	Day of Normal Sample	01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	Provide the day of the procedure performed to obtain the normal control submitted for TCGA. 3288196									
<u>50</u>	Year of Normal Sample Procurement		Provide the year of the procedure performed to obtain the normal control submitted for TCGA. 3288197									
<u>51</u>	Normal Identifier		Provide the TSS unique normal ID. If multiple normal control samples are submitted, each normal control needs a unique ID. 3288138									
<u>52</u>	Anatomic Site of Non- Neoplastic Control Tissue	☐ Thyroid ☐ Left ☐ Right ☐ Other, (please specify)	If the normal control type is normal tissue, indicate the anatomic site of the non-neoplastic control tissue submitted for TCGA. 3081938 Site matched is preferred. If non-neoplastic control tissue FROM THYROID is submitted it must be from the lobe uninvolved by cancer.									
<u>53</u>	Other Site of Non- Neoplastic Control Tissue		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. 3288189									
<u>54</u>	Proximity of Normal Tissue to Tumor	☐ Distal (> 2cm) from the primary tumor	If the normal control type is normal tissue, confirm that the submitted normal tissue was at least 2cm away from the primary tumor. 3088708 Adjacent (≤ 2cm) Normal Tissue is not accepted for this tissue type. Unknown Normal Tissue is not acceptable for this tissue type.									
<u>55</u>	Normal Slide ID#		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. 3288217									

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		Thyroid (Trich)	
#	Question	Entry Alternatives	Working Instructions
	ication: By providing the below to the below	ow information, the Principal Investigator acknowledges that the information provided b	y the institution is true and correct and has been
Tissu repo	rted by the TSS through histor	dges that the Biospecimen Core Resource (BCR) may confirm that the diagnosis of the froze oathology examination in the BCR laboratory. If the BCR identifies a possible discrepancy, th rmal report in confidential email format for the quality assurance program of the TSS to add	ne TSS authorizes the BCR to report these patient
56	Name of Pathologist		Provide the name of the Pathologist that provided the information for all previous sections. 3288225
57	Date of Pathologist Review		Provide the date of the pathology review performed by the TSS pathologist above. 3288224
Prin	cipal Investigator/Authoriz	zed Designee Confirmation	,
58	Percent Tumor Nuclei meets TCGA metrics?	□ Yes □ No	Confirm that the malignant sample submitted to the BCR meets the current tumor nuclei metrics for TCGA. 3288520 Check with the BCR to confirm the current acceptable TCGA metrics.
59	Percent Necrosis meets TCGA metrics?	□ Yes □ No	Confirm that the malignant sample submitted to the BCR meets the current necrosis metrics for TCGA. 3288524 Check with the BCR to confirm the current acceptable TCGA metrics.
60	De-Identified Pathology Report Submitted?	□ Yes □ No	Confirm that a de-identified pathology report will be sent to BCR prior to or with the shipment of the physical samples. 3288292
61	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 □ No	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. 3288300 If "yes," skip related question below. 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 as 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 histologic 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.

	Thyroid (TheA)										
#	Question	Entry Alternatives	Working Instructions								
62	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 a region containing an acceptable TCGA diagnosis (see note at right) □ 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) 	If the diagnosis provided on this form is not consistent with the diagnosis found on the pathology report provided, specify a reason for this inconsistency. 3288315 If a TSS pathology review of the TCGA submitted sample resulted in a different histological subtype than what is documented on the original 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								
63	History of Other Malignancy	□ None □ History of Prior Malignancy □ History of Synchronous/ Bilateral Malignancy	modifications, institution protocol should be followed for proper quality assurance. Indicate whether the patient has a history of malignancies. If the patient has any history, 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. 3382736 If the patient has a history of multiple diagnoses of basal or squamous cell skin cancer, only complete an OMF for the first diagnosis for each of these types.								
64	History of Neoadjuvant Treatment <i>for Tumor</i> <i>Submitted for TCGA</i>	□ None □ Radiation prior to sample procurement* □ Pharmaceutical treatment prior to sample procurement* □ Both pharmaceutical treatment and radiation prior to sample procurement*	Indicate whether the patient received therapy for this cancer prior to the sample procurement of <i>the tumor submitted for TCGA</i> . If the patient did receive treatment for this cancer prior to procurement, the TSS should contact the BCR for further instruction. 3382737 *Systemic therapy and certain localized therapies (those administered to the same site as the TCGA submitted tissue) given prior to the procurement of the sample submitted for TCGA are exclusionary.								
65	Consent Status	☐ Consented ☐ Exemption 4* ☐ Deceased ☐ Waiver*	Indicate whether the patient was formally consented, consented by death, or if the case has an exemption or waiver for consent. 3288361 *Exemptions and waivers for consent must be approved by NCI.								
Date	of Formal Consent										
66	Month of Consent		If the patient was formally consented, provide the month of consent. 3081955								
67	Day of Consent	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	If the patient was formally consented, provide the day of consent. 3081957								
68	Year of Consent		If the patient was formally consented, provide the year of consent. 3081959								

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#	Question		Entry Alternatives								Working Instructions			
Date	Date of Death Do not complete date of death, if patient formally consented.													
69	Month of Death	1 01	1 02	1 03	1 04	1 05	1 06	1 07	□ 08	1 09	1 0	1 1	1 2	If the patient consented by death, provide the month of death. $\underline{\textbf{2897026}}$
70	Day of Death	□ 01 □ 13 □ 25	□ 02 □ 14 □ 26	□ 03 □ 15 □ 27	□ 04 □ 16 □ 28	□ 05 □ 17 □ 29	□ 06 □ 18 □ 30	□ 07 □ 19 □ 31	□ 08 □ 20	□ 09 □ 21	□ 10 □ 22	□ 11 □ 23	□ 12 □ 24	If the patient consented by death, provide the day of death. 2897028
71	71 Year of Death													If the patient consented by death, provide the year of death. 2897030
	Principal Investigator or Designee Signature								 Prir	nt Name				/ / Date

I acknowledge that the above information provided by my institution is true and correct and has been quality controlled.

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Time Intervals: The following questions are only to be answered if the Tissue Source Site is unable to provide the dates requested on this form.

#	Question	Entry Al	ternatives	Working Instructions
i.	Number of Days from Date of Diagnosis to Date of Cancer Sample Procurement		days	Provide the number of days from the date the patient was diagnosed with the disease described on this form to the date of the procedure that produced the malignant sample submitted for TCGA. 328495
ii.	Number of Days from Date of Diagnosis to Normal Sample Procurement		days	Provide the number of days from the date the patient was diagnosed with the disease described on this form to the date of the procedure that produced the normal control sample submitted for TCGA. 3288496
iii.	Number of Days from Date of Diagnosis to Date of Pathological Review		days	Provide the number of days from the date the patient was diagnosed with the disease described on this form to the date of the pathological review performed as part of the submission process for TCGA. 3288497
iv.	Number of Days from Date of Diagnosis to Date of Consent		days	If the patient formally consented, provide the number of days from the date the patient was diagnosed with the disease described on this form to the date of the patient's formal consent. 3288498
v.	Number of Days from Date of Diagnosis to Date of Death		days	If the patient consented by death, provide the number of days from the date the patient was diagnosed with the disease described on this form to the date of the patient's death. 328499 Do not complete days to death, if patient formally consented.
				/
	Principal In	nvestigator or Designee Signature	Print Name	Date

I acknowledge that the above information provided by my institution is true and correct and has been quality controlled.