Page 1     Initial Case Quality Control Form     V4.05 091112       Thyroid (THCA)     V4.05 091112											
<b>Instructions:</b> 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	o the Tissue Source Site's primary Clinical (	Outreach Contact at the BCR.							
repor	ted by the TSS through histop	athology examination in the BCR laboratory.		biospecimen is consistent with the primary diagnosis he TSS authorizes the BCR to report these patient hress.							
issue	Source Site (TSS):	TSS ID:TSS Unique Patient ID:	Interviewer Name:	Interview Date / / / /							
las thi Iote: P	is TSS received permission fr Provided time intervals must be	om the NCI to provide time intervals as a su egin with the date of initial pathologic diagnos	bstitute for requested dates on this form?								
Tumo	1	ng sections are to be provided by a Patholog									
#	Question		Iternatives	Working Instructions							
1	Diagnosis	Thyroid Papillary Carcinoma Subtypes Classical/Usual (Papillary, NOS Follicular (99% follicular patter Tall cell (50% tall cell features) Other, specify	rned)	Indicate the confirmed diagnosis of the tumor submitted for TCGA. <u>3081934</u>							
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?	☐ Yes □ No □ Unknown		Indicate whether the confirmed diagnosis of the tumor submitted for TCGA contained oncocytic variant features. <u>3630771</u>							
4	Tumor Type	Primary (primary untreated malignant bios	specimen)	Indicate the type of tumor submitted for TCGA. <u>3288124</u> This is a biospecimen that <b>has not</b> been treated with chemotherapy (including intravesical treatment) or radiation prior to resection.							
5	Anatomic Organ Sub- Division of Frozen Biospecimen	☐ Thyroid, NOS ☐ Thyroid, Right	Indicate the anatomic site of the frozen tumor biospecimen submitted for TCGA. 2008006								
6 Tumor Focality Unifocal Multifocal* Indicate the focality of the tumor. Include all areas of the tu <u>1</u> Unifocal <u>1</u> Unifoc											
Date	e of Cancer Sample Procure	ment		-							
7       Month of Cancer Sample Procurement       01       02       03       04       05       06       07       08       09       11       11       12       Provide the month of the procedure performed to obtain the malignant tissue submitted for TCGA.											

□ 01 □ 13 □ 25

Day of Cancer Sample

Year of Cancer Sample

Procurement

Procurement

8

9

**D** 02

**D** 14

**D** 26

**D** 03

**1**15

**D** 27

□ 04 □ 16

**D** 28

□ 05 □ 17

**D** 29

□ 06 □ 18

**D** 30

□ 07 □ 19

**D** 31

□ 08 □ 20

09

**D** 21

**□** 10

**D** 22

3008197

3008195

3008199

Provide the day of the procedure performed to obtain the malignant tissue submitted for TCGA.

Provide the year of the procedure performed to obtain the

malignant tissue submitted for TCGA.

□ 11 □ 23

**D** 12

**D** 24

## Initial Case Quality Control Form Thyroid (THCA)

	1		
#	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. <u>3103514</u>
11	Country Where Cancer Sample was Procured		Provide the country where the tissue submitted for TCGA was procured. 3203072
<b>12</b>	Race Ethnicity	<ul> <li>American Indian or Alaska Native         <ul> <li>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.</li> <li>Asian</li></ul></li></ul>	Provide the patient's race using the defined categories. 2192199 Provide the patient's ethnicity using the defined categories. 2192217
14	Vessel Used	□ Unknown Could not be determined or unsure. □ 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.
15	Other Vessel Used		3081940 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. <u>3288488</u>
17	Was sample prescreened at site?	□ Yes □ No	Indicate whether the sample submitted to the BCR was prescreened at the TSS. <u>3081942</u>
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. <u>3081944</u> Top Slide Definition: Slide cut directly from frozen biospecimen = mirror image of inked surface

## Initial Case Quality Control Form Thyroid (THCA)

#	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. <u>3081948</u> 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. <u>3295811</u> 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. <u>3295810</u>										
Tumo	Fumor Information If the TSS is submitting multiple pieces of the same primary tumor for this case; complete the following 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. <u>3288096</u>										
23	Weight of Frozen Tumor	(mg) (0.2cm <sup>3</sup> (0.6cm * 0.6cm * 0.6cm) = ~200mg	Provide the weight of the tumor sample submitted for TCGA. <u>3081946</u>										
24	Tumor Nuclei %	(%)	Provide the percent of tumor nuclei for the sample submitted for TCGA. <u>2841225</u> Check with the BCR to confirm the current acceptable TCGA metrics.										
25	Necrosis %	(%)	Provide the percent of necrosis for the sample submitted for TCGA. <u>2841237</u> 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. <u>2321277</u>										
Norm	al Information A normal co	ntrol must be present to qualify.											
25	Type(s) of Normal Control Check all that apply	Image: Whole BloodImage: Extracted DNA from BloodImage: Buffy CoatImage: Non-Neoplastic Control Tissue*Image: LymphocytesImage: Non-Neoplastic Control Tissue*	Indicate the type of normal control submitted for this case. <u>3081936</u> *Non-neoplastic Control Tissue may only be submitted with NCI approval.										
Norn	nal Control: Whole Blood												
<u>26</u>	Method of Normal Sample Procurement	D Blood Draw	Indicate the procedure performed to obtain the normal control sample submitted for TCGA. <u>3288147</u>										
<u>27</u>	Procurement		Provide the month of the procedure performed to obtain the normal control submitted for TCGA. <u>3288195</u>										
<u>28</u>	Day of Norman 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. <u>3288196</u>										
<u>29</u>	Year of Normal Sample Procurement		Provide the year of the procedure performed to obtain the normal control submitted for TCGA. <u>3288197</u>										

Pag	e 4					Init		<b>se Qu</b> a Thyro			l Forn	n		V4.05 091112
#	Question					E	ntry Alt	ornativ	26					Working Instructions
# <u>30</u>	Normal Identifier					E	nu y Ait	ernauvo	25					Provide the TSS unique normal ID. If multiple normal control samples are submitted, each normal control needs a unique ID. <u>3288138</u>
Norn	ormal Control: Buffy Coat/ Lymphocytes													
<u>31</u>	Normal Control Type		ffy Coat nphocyt											Indicate the type of normal control submitted for TCGA. <u>3081936</u>
<u>32</u>	Method of Normal Sample Procurement	🗖 Blo	od Drav	V										Indicate the procedure performed to obtain the normal control sample submitted for TCGA. <u>3288147</u>
<u>33</u>	Month of Normal Sample Procurement	<b>D</b> 01	02	03	□ 04	□ 05	<b>D</b> 06	<b>D</b> 07	08	□ 09	<b>□</b> 10	<b>□</b> 11	<b>1</b> 2	Provide the month of the procedure performed to obtain the normal control submitted for TCGA. <u>3288195</u>
<u>34</u>	Day of Normal 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 normal control submitted for TCGA. <u>3288196</u>
<u>35</u>	Year of Normal Sample Procurement													Provide the year of the procedure performed to obtain the normal control submitted for TCGA. <u>3288197</u>
<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. <u>3288138</u>
Norn	nal Control: Extracted DNA	from B	lood											
<u>37</u>	Method of Normal Sample Procurement		od Drav	v										Indicate the procedure performed to obtain the normal control sample submitted for TCGA. <u>3288147</u>
<u>38</u>	Month of Normal Sample Procurement	□ 01	02	□ 03	□ 04	□ 05	<b>D</b> 06	<b>D</b> 07	<b>D</b> 08	□ 09	<b>□</b> 10	<b>□</b> 11	<b>1</b> 2	Provide the month of the procedure performed to obtain the normal control submitted for TCGA. <u>3288195</u>
<u>39</u>	Day of Normal 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 normal control submitted for TCGA. <u>3288196</u>
<u>40</u>	Year of Normal Sample Procurement													Provide the year of the procedure performed to obtain the normal control submitted for TCGA. <u>3288197</u>
<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. <u>3288138</u>
<u>42</u>	Extracted DNA Quantity								(µg)					Provide the quantity ( $\mu$ g) of the normal control sample sent to the BCR for TCGA. <u>3288185</u>
<u>43</u>	Extracted DNA Quantification Method													Provide the quantification method of the normal control sample sent to the BCR for TCGA. <u>3288186</u>
44	Extracted DNA								_(µg/µ	L)				Provide the concentration ( $\mu$ g/ $\mu$ L) of the normal control

Pag	Page 5 Initial Case Quality Control Form V4.05 091112 Thyroid (THCA)													
#	Question	Entry Alternatives	Working Instructions											
	Concentration		sample sent to the BCR for TCGA. 3288187											
<u>45</u>	Extracted DNA Volume	(μL)	Provide the volume ( $\mu$ L) of the normal control sample sent to the BCR for TCGA. <u>3288188</u>											
Norn	nal Control: Non-Neoplastic	Control Tissue												
<u>46</u>	Method of Normal Sample Procurement	<ul> <li>□ Surgical Resection</li> <li>□ Excisional Biopsy</li> <li>□ Other Method (please specify)</li> </ul>	Indicate the procedure performed to obtain the normal control sample submitted for TCGA. <u>3288147</u>											
<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. <u>3288151</u>											
<u>48</u>	Month of Normal Sample Procurement		Provide the month of the procedure performed to obtain the normal control submitted for TCGA. <u>3288195</u>											
<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. <u>3288196</u>											
<u>50</u>	Year of Normal Sample Procurement		Provide the year of the procedure performed to obtain the normal control submitted for TCGA. <u>3288197</u>											
<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. <u>3288138</u>											
<u>52</u>	Anatomic Site of Non- Neoplastic Control Tissue	<ul> <li>Thyroid</li> <li>Left</li> <li>Right</li> <li>Other, (please specify)</li> </ul>	If the normal control type is normal tissue, indicate the anatomic site of the non-neoplastic control tissue submitted for TCGA. <u>3081938</u> 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. <u>3088708</u> 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											

Pag	1e 6	<b>Initial Case Quality Control Form</b> Thyroid (THCA)	V4.05 091112									
#	Question	Entry Alternatives	Working Instructions									
	Verification: By providing the below information, the Principal Investigator acknowledges that the information provided by the institution is true and correct and has been quality controlled.											
Tissı repo	Pathology Review 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.											
56	Name of Pathologist		Provide the name of the Pathologist that provided the information for all previous sections. <u>3288225</u>									
57	Date of Pathologist Review		Provide the date of the pathology review performed by the TSS pathologist above. 3288224									
Prin	cipal Investigator/Authori	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. <u>3288520</u> 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. <u>3288524</u> 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. <u>3288292</u>									
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	<ul> <li>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.</li> <li><u>3288300</u></li> <li>If "yes," skip related question below.</li> <li>The diagnosis is considered to be consistent if at least one of the following criteria are met: <ol> <li>Diagnosis on the CQCF is identical to the pathology report for the tumor being sent to the BCR.</li> <li>Diagnosis on the CQCF is identical to the pathology report for the tumor being sent to the BCR.</li> <li>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.</li> <li>Diagnosis on the CQCF is "histology, NOS" (i.e., Adenocarcinoma, NOS) and the pathology report lists a specific subtype within the same histologic group.</li> <li>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.</li> </ol> </li> </ul>									

## Initial Case Quality Control Form Thyroid (THCA)

	# Question Entry Alternatives Working Instructions													
#	Question					E	Working Instructions							
62	If the diagnosis on this form is not consistent with the provided pathology report, indicate the reason for the inconsistency.	TCO Pationia Pati	crodisse GA diagi hology a ginal pa hology r ferent fr	nosis <i>(s</i> analysis thology review o	<i>ee note</i> at TSS report of froze	<i>at right</i> determ <i>(see no</i> n sectio	;) ined a s <i>te at rig</i> on for T(	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. <u>3288315</u> 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 modifications, institution protocol should be followed for proper quality assurance.						
63	History of Other Malignancy		ne tory of F tory of S				l Maligr		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. <u>3382736</u> 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>	🗖 Rad	<ul> <li>None</li> <li>Radiation prior to sample procurement*</li> <li>Pharmaceutical treatment prior to sample procurement*</li> </ul>											Indicate whether the patient received therapy for this cancer prior to the sample procurement of <b>the tumor submitted for</b> <b>TCGA</b> . If the patient did receive treatment for this cancer prior to procurement, the TSS should contact the BCR for further instruction. <u>3382737</u>
			Both pharmaceutical treatment and radiation prior to sample procurement*									*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	Con Dec	isented ceased			xemptio /aiver*	on 4*							Indicate whether the patient was formally consented, consented by death, or if the case has an exemption or waiver for consent. <u>3288361</u>
														*Exemptions and waivers for consent must be approved by NCI.
Date	of Formal Consent													If the patient was formally consented, provide the month of
66	Month of Consent	<b>□</b> 01	02	03	<b>D</b> 04	<b>D</b> 05	<b>D</b> 06	<b>D</b> 07	08	09	<b>□</b> 10	<b>□</b> 11	<b>□</b> 12	consent. <u>3081955</u>
67	Day of Consent	□ 01 □ 13 □ 25	□ 02 □ 14 □ 26	<ul><li>03</li><li>15</li><li>27</li></ul>	□ 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 was formally consented, provide the day of consent. <u>3081957</u>
68	Year of Consent													If the patient was formally consented, provide the year of consent. <u>3081959</u>

# **Initial Case Quality Control Form** Thyroid (THCA)

#	Question		Entry Alternatives											Working Instructions
Date	Date of Death Do not complete date of death, if patient formally consented.													
69	Month of Death	• 01	<b>D</b> 02	<b>D</b> 03	□ 04	□ 05	<b>D</b> 06	• 07	<b>D</b> 08	□ 09	<b>□</b> 10	<b>□</b> 11	<b>□</b> 12	If the patient consented by death, provide the month of death. <u>2897026</u>
70	Day of Death	□ 01 □ 13 □ 25	<ul> <li>02</li> <li>14</li> <li>26</li> </ul>	<ul> <li>03</li> <li>15</li> <li>27</li> </ul>	□ 04 □ 16 □ 28	<ul> <li>05</li> <li>17</li> <li>29</li> </ul>	□ 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	Year of Death													If the patient consented by death, provide the year of death. <u>2897030</u>
														//

Principal Investigator 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.

### **Initial Case Quality Control Form** Thyroid (THCA)

V4.05 091112

<b>Time</b>	ime 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 Alternatives	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. <u>3288495</u>							
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. <u>3288499</u> Do not complete days to death, if patient formally consented.							

		//
Principal Investigator 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.