

## Lung Cancer Protocol w/ Possible Sendout to Tempus

This tip sheet describes the recently implemented changes to the Lung Cancer Biopsy Protocol to use IHC for ALK and ROS1 testing, send NGS testing to Tempus Reference Laboratory, and perform Therascreen in MDL when clinically indicated.

### Accessioning a Lung Cancer Case

- When Lung Cancer has been selected as the protocol for a surgical pathology case, the package will now include 9 unstained slides for IHC, 5 unstained slides for possible future molecular testing (Therascreen), 10 positively charged unstained slides and 1 Terminal H&E for possible future sendout to Tempus Laboratory, and 5 additional unstained slides for possible future molecular testing.

ID	R	Protocol (Alt+1)	Source
A	<input checked="" type="checkbox"/>	Lung Cancer	Lung

ID	C	Task (Alt+2)	Slides	Code
A1	<input checked="" type="checkbox"/>	BLOCK-GREEN		
A1.1	<input checked="" type="checkbox"/>	H&E - 2 sections per slide	1	
A1.2	<input checked="" type="checkbox"/>	Unst for IHC 2u - 2 sections	1	
A1.3	<input checked="" type="checkbox"/>	Unst for IHC 2u - 2 sections	1	
A1.4	<input checked="" type="checkbox"/>	Unst for IHC 2u - 2 sections	1	
A1.5	<input checked="" type="checkbox"/>	Unst for IHC 2u - 2 sections	1	
A1.6	<input checked="" type="checkbox"/>	Unst for IHC 2u - 2 sections	1	
A1.7	<input checked="" type="checkbox"/>	Unst for IHC 2u - 2 sections	1	
A1.8	<input checked="" type="checkbox"/>	Unst for IHC 2u - 2 sections	1	
A1.9	<input checked="" type="checkbox"/>	Unst for IHC 2u - 2 sections	1	
A1.10	<input checked="" type="checkbox"/>	Unst for IHC 2u - 2 sections	1	
A1.11	<input checked="" type="checkbox"/>	H&E - 2 sections per slide	1	
A1.12	<input checked="" type="checkbox"/>	Unst for Molecular 5u - 1 se	1	
A1.13	<input checked="" type="checkbox"/>	Unst for Molecular 5u - 1 se	1	

ID	R	Protocol (Alt+1)	Source
A	<input checked="" type="checkbox"/>	Lung Cancer	Lung

ID	C	Task (Alt+2)	Slides	Code
A1.14	<input checked="" type="checkbox"/>	Unst for Molecular 5u - 1 se	1	
A1.15	<input checked="" type="checkbox"/>	Unst for Molecular 5u - 1 se	1	
A1.16	<input checked="" type="checkbox"/>	Unst for Molecular 5u - 1 se	1	
A1.17	<input checked="" type="checkbox"/>	Unst + Charged Slide for Te	1	
A1.18	<input checked="" type="checkbox"/>	Unst + Charged Slide for Te	1	
A1.19	<input checked="" type="checkbox"/>	Unst + Charged Slide for Te	1	
A1.20	<input checked="" type="checkbox"/>	Unst + Charged Slide for Te	1	
A1.21	<input checked="" type="checkbox"/>	Unst + Charged Slide for Te	1	
A1.22	<input checked="" type="checkbox"/>	Unst + Charged Slide for Te	1	
A1.23	<input checked="" type="checkbox"/>	Unst + Charged Slide for Te	1	
A1.24	<input checked="" type="checkbox"/>	Unst + Charged Slide for Te	1	
A1.25	<input checked="" type="checkbox"/>	Unst + Charged Slide for Te	1	
A1.26	<input checked="" type="checkbox"/>	Unst + Charged Slide for Te	1	
A1.27	<input checked="" type="checkbox"/>	Terminal H&E for Tempus -	1	

### Requesting existing Unstained Slides for Therascreen be pulled and sent to MDL

1. If additional testing is indicated, the primary pathologist will place an order for Therascreen using the existing Solid Tumor Molecular Testing [LAB9207] Procedure and selecting “Therascreen (EGFR Only)”

**Solid Tumor Molecular Testing**

Priority:  Routine STAT

Frequency:  Once

Starting: 7/22/2020 Today Tomorrow At: 1340

First Occurrence: **Today 1340**

Scheduled Times

07/22/20 1340

Process Inst.: THIS ORDER IS PRIMARILY FOR USE BY SURGICAL PATHOLOGISTS ON PRE-EXISTING CASES. IF YOU WANT TUMOR MOLECULAR TESTING ON A PRE-EXISTING CASE, PLEASE CONTACT THE SURGICAL PATHOLOGIST OF INTEREST.

Indicate cancer type:  Lung Colorectal Thyroid Melanoma Glioma Other

Indicate genes for testing:  Full Panel (plus Therascreen EGFR) **Therascreen (EGFR Only)** Custom Panel

Tumor Tissue Case #:

Tumor Tissue Block #:

Macrodissection  Yes No

Estimated % tumor (low end)

Estimated % tumor (high end)

There are 2000 or more cells per slide (or in circled area if macrodissection)

Next Required  Link Order

2. After you have completed the required questions and signed the order, navigate to Case Builder for the original Surg Path Case and add a task protocol for “Unstained 5u and Send to Molecular x10”

Browse

molecular Search

Browse (F4) Details (F7) Clear Selected

Selected Items

Task Protocols

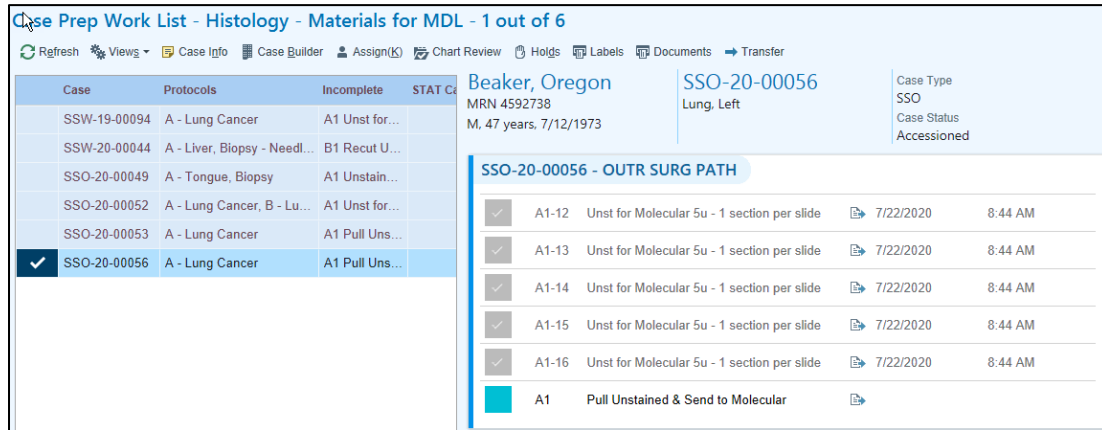
Recut Unstained 5u and Send to Molecular

Unstained 5u and Send to Molecular x10

Unstained 5u and Send to Molecular x10

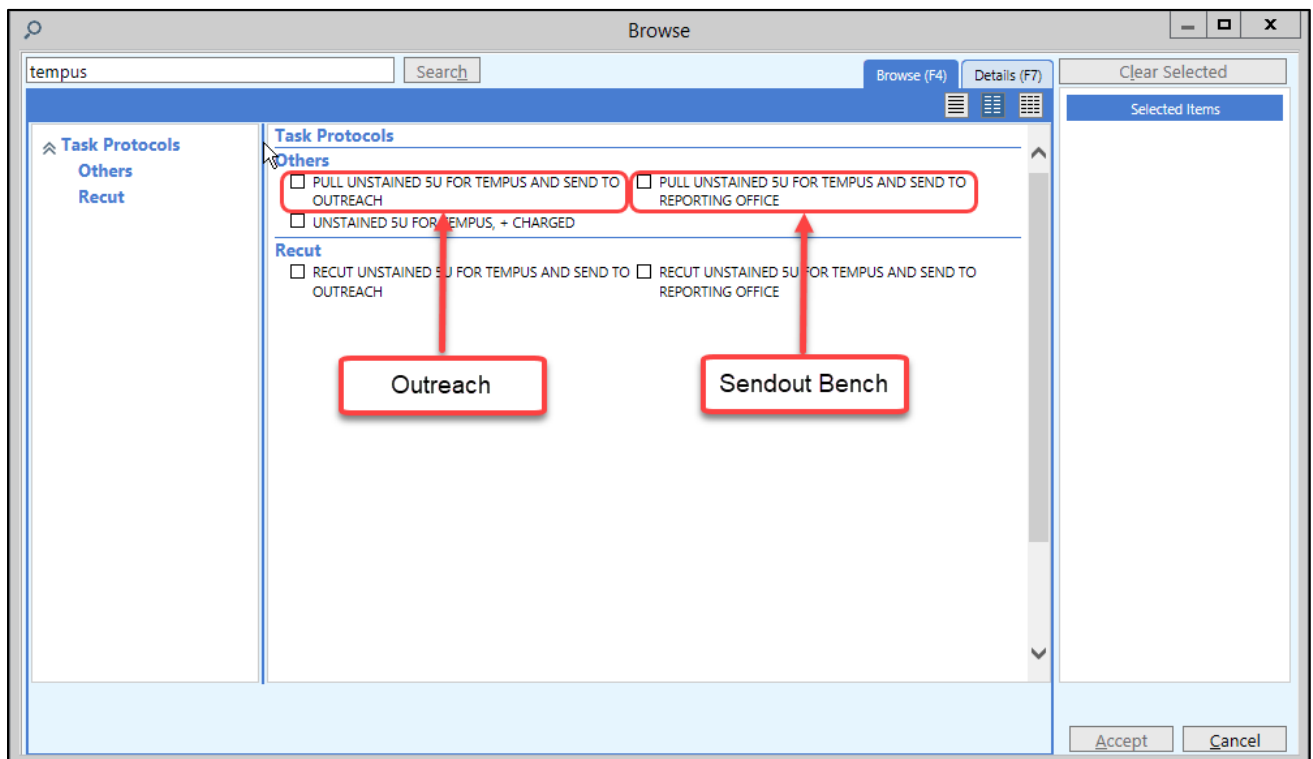
Accept Cancel

3. **For Lung Cancer Protocol Cases only** this will generate a “Pull Unstained and Send to Molecular” task for histology, which will appear in the Histology Case Prep Worklist for “Materials for MDL”



## Requesting existing Unstained Slides for Tempus be pulled and sent to Reporting Office or Outreach

1. If additional testing is indicated, the original ordering provider will place an order for NGS testing with the Tempus Laboratory. Tempus Lab will then reach out to the AP Sendout Bench or the AP Outreach group to request slides. The users then navigate to Case Builder for the original Surg Path Case and add a task protocol either for “Pull Unstained 5u for Tempus and Send to Reporting Office” or “Pull Unstained 5u for Tempus and Send to Outreach”



2. this will generate a “Pull Unstained 5u for Tempus and send to Reporting Office” task for histology, which will appear in the Histology Case Prep Worklist for “Materials for Reporting Office” or a “Pull Unstained 5u for Tempus and send to Outreach” task which will appear in the Histology Case Prep Worklist for “Materials for Outreach”

Case Prep Work List - Histology - Materials for Reporting Office - 1 out of 3

Refresh Views Case Info Case Builder Assign(K) Chart Review Holds Labels Documents Transfer

Case	Protocols	Incomplete	STAT
SSO-20-00052	A - Lung Cancer, B - Lu...	A1 Unst +...	
SSO-20-00053	A - Lung Cancer	A1 Pull Uns...	
<input checked="" type="checkbox"/> SSO-20-00056	A - Lung Cancer	A1 Pull Uns...	

**Beaker, Oregon**  
MRN 4592738  
M, 47 years, 7/12/1973

**SSO-20-00056**  
Lung, Left

Case Type: SSO  
Case Status: Accessioned

**SSO-20-00056 - OUTR SURG PATH**

<input checked="" type="checkbox"/>	A1-17	Unst + Charged Slide for Tempus 5u - 1 secti	7/22/2020	8:44 AM
<input checked="" type="checkbox"/>	A1-18	Unst + Charged Slide for Tempus 5u - 1 secti	7/22/2020	8:44 AM
<input checked="" type="checkbox"/>	A1-19	Unst + Charged Slide for Tempus 5u - 1 secti	7/22/2020	8:44 AM
<input checked="" type="checkbox"/>	A1-20	Unst + Charged Slide for Tempus 5u - 1 secti	7/22/2020	8:44 AM
<input checked="" type="checkbox"/>	A1-21	Unst + Charged Slide for Tempus 5u - 1 secti	7/22/2020	8:44 AM
<input checked="" type="checkbox"/>	A1-22	Unst + Charged Slide for Tempus 5u - 1 secti	7/22/2020	8:44 AM
<input checked="" type="checkbox"/>	A1-23	Unst + Charged Slide for Tempus 5u - 1 secti	7/22/2020	8:44 AM
<input checked="" type="checkbox"/>	A1-24	Unst + Charged Slide for Tempus 5u - 1 secti	7/22/2020	8:44 AM
<input checked="" type="checkbox"/>	A1-25	Unst + Charged Slide for Tempus 5u - 1 secti	7/22/2020	8:44 AM
<input checked="" type="checkbox"/>	A1-26	Unst + Charged Slide for Tempus 5u - 1 secti	7/22/2020	8:44 AM
<input type="checkbox"/>	A1	Pull Unst Charged Slide 5u for Tempus and se		

Case Prep Work List - Histology - Materials for Outreach - 1 out of 1

Refresh Views Case Info Case Builder Assign(K) Chart Review Holds Labels Documents Transfer

Case	Protocols
<input checked="" type="checkbox"/> SSW-20-00065	A - FS

**Beaker, Inpati...**  
MRN 4488521  
F, 68 years, 11/28/195...

**SSW-20-00065**  
Lung, Right Upper Lobe

Case Type: SSW  
Case Status: Accessioned

Responsible: Bap, Pathologist, PhD....

Requisition: RQ3674  
Submitter: Generic Submitter (Pa...

**SSW-20-00065 - WW SURG PATH**

<input type="checkbox"/>	A1	Pull Unst Charged Slide 5u for Tempus and send to Outreat
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Select

All PullTempOutr 0/1 Confirm