

Genitourinary Grossing Guidelines

Specimen Type: PARTIAL NEPHRECTOMY

Procedure:

1. Weigh and measure overall dimensions of specimen, size of kidney tissue, and size of perinephric fat.
2. Inspect perinephric fat for tumor extension; inspect the renal parenchymal margin for tumor involvement; note the presence or absence of renal sinus fat.
 - a. Ink renal parenchymal margin in blue
 - b. Ink perinephric fat margin in black
3. Serially section the specimen perpendicular to the long axis and perpendicular to the renal capsule or renal parenchymal margin.
4. Describe tumor: location, demarcation, color, texture, hemorrhage/necrosis/cystic degeneration, extension into: renal sinus, vein, or perinephric fat, if applicable.
5. Photograph the representative slices containing the largest dimension of tumor and the closest renal parenchymal resection margin.
6. Look for additional lesions in the uninvolved kidney.

- For any solid or solid-cystic tumor > 2 cm → collect tissue for cytogenetics
 - Place order for cytogenetics (Karyotype only)
 - Place Karyotype label on RPMI container
 - Send sample to cytogenetics lab on next available courier
 - DO NOT PLACE SPECIMENS IN BACK FRIDGE OF LAB
- For tumors < 2 cm, cystic tumor without solid component, or urothelial cancers → do not need to collect tissue for cytogenetics

Gross Template:

MMODAL Command: "INSERT PARTIAL NEPHRECTOMY"

It consists of an [*intact, disrupted, previously incised****], [*weight****] gram, [*measure in three dimensions****] cm, partial nephrectomy. [*mention if any orientation is provided****]

Sectioning reveals a [*measure in three dimensions****] cm [*describe lesion- circumscription, encapsulation, color, consistency****]. The lesion is located [*distance****] cm from the parenchymal margin and [*distance****] cm from the [*capsule/perinephric fat/Gerota's fascia****]. The mass is [*confined to the kidney/protruding into perinephric fat ****]. [*Comment on presence or absence of hemorrhage and necrosis in the tumor****].

The uninvolved renal parenchyma displays [*unremarkable or describe additional pathology****] cut surfaces. No additional lesions or masses are identified. A portion of tumor tissue is placed in RPMI and sent for cytogenetics studies [*delete if not collected****]. Gross photographs are taken. Representative sections are submitted.

INK KEY:

Blue Parenchymal margin
Black Capsule/perinephric fat margin

[*insert cassette summary****]

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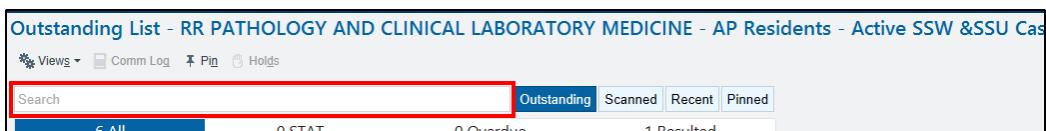
Cassette Submission: 5-6 cassettes

- One section of kidney away from tumor if a good portion of uninvolved kidney is present - try to include cortex and medulla.
This should be placed in cassette A1 (It will be a pink block, which includes 1 PAS stain).
- Tumor:
 - o From areas with different color or texture
 - To include areas with necrosis
 - To include relationship to normal renal parenchyma
 - 1-2 sections with closest renal parenchymal margin
 - 1 section with perinephric fat invasion, if present
 - 1 section with renal sinus fat invasion, if present
 - 1 section with closest perinephric fat margin, if present
 - o If the tumor is 3 cm or smaller in size – submit it entirely

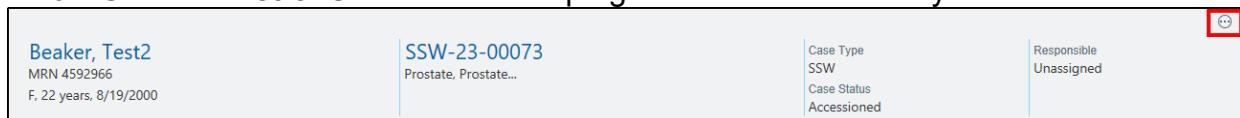
ORDERING CYTOGENETICS

A. Placing an order for Karyotype on an existing case

1. Open the **Case** in the Outstanding List Editor
 - a. Within the Outstanding List Editor, **scan case label** to bring up case, or enter the **Case ID** in search field in the Outstanding List Editor.



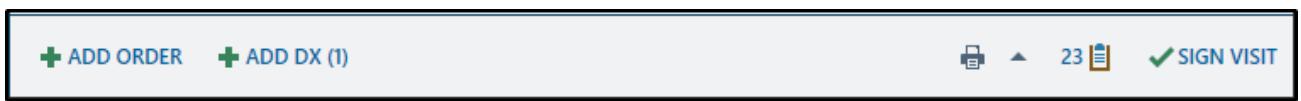
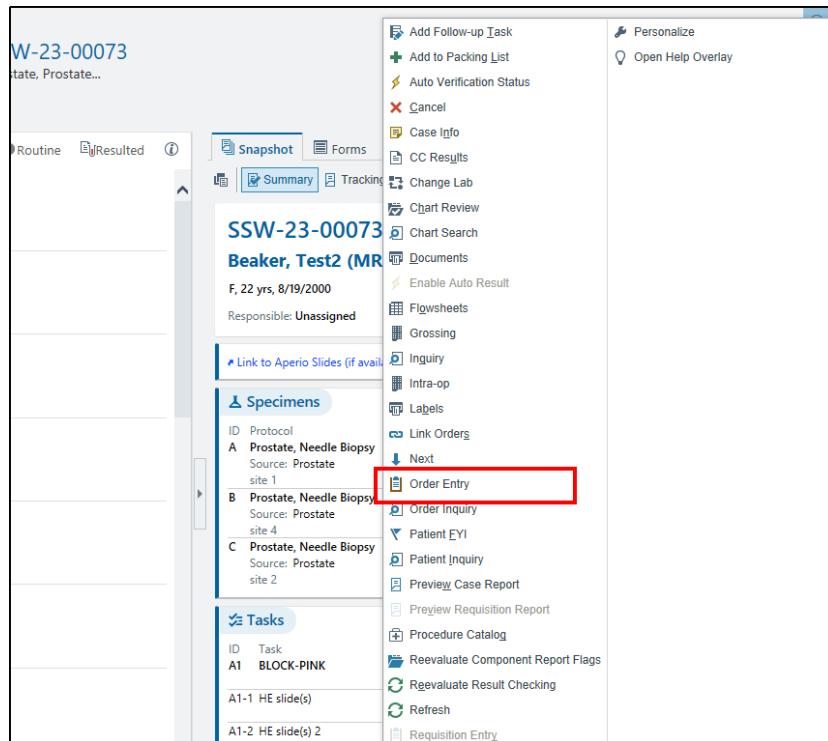
2. Verify that the correct case is open.
3. Click the **Actions** button in the top right corner of the activity.



4. Click **Order Entry**.
5. Based on the patients encounter (Inpatient or Outpatient) you will be presented with the following:

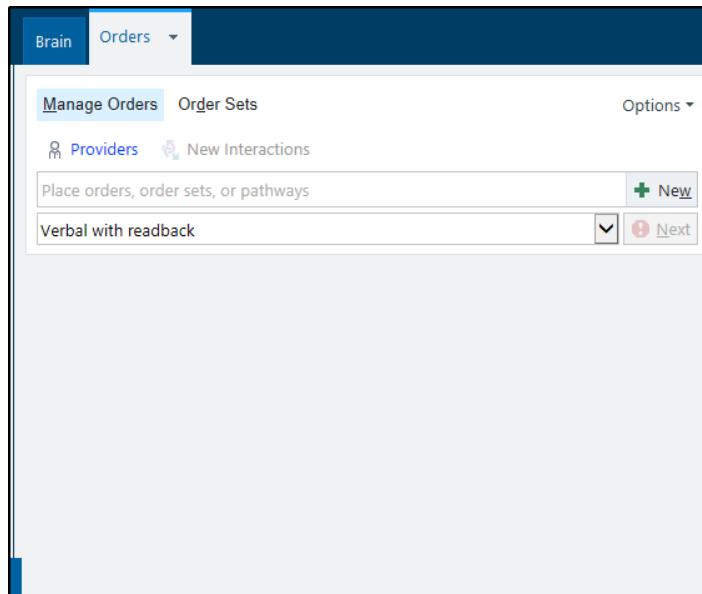
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a. Outpatient encounter



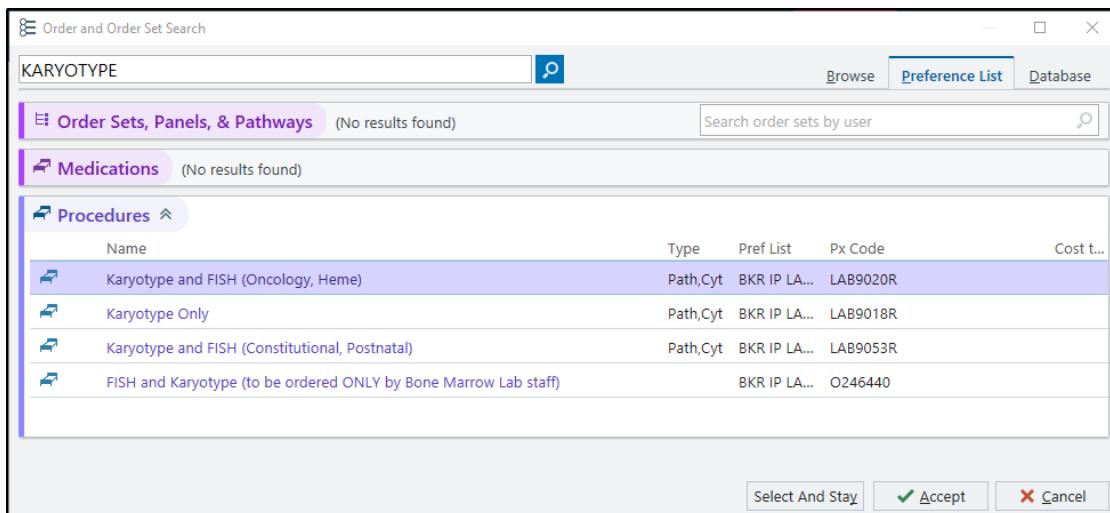
i. Select Add Order

b. Inpatient encounter



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6. Add the “**Karyotype Only (LAB9018R)**” order.



KARYOTYPE

Order Sets, Panels, & Pathways (No results found)

Medications (No results found)

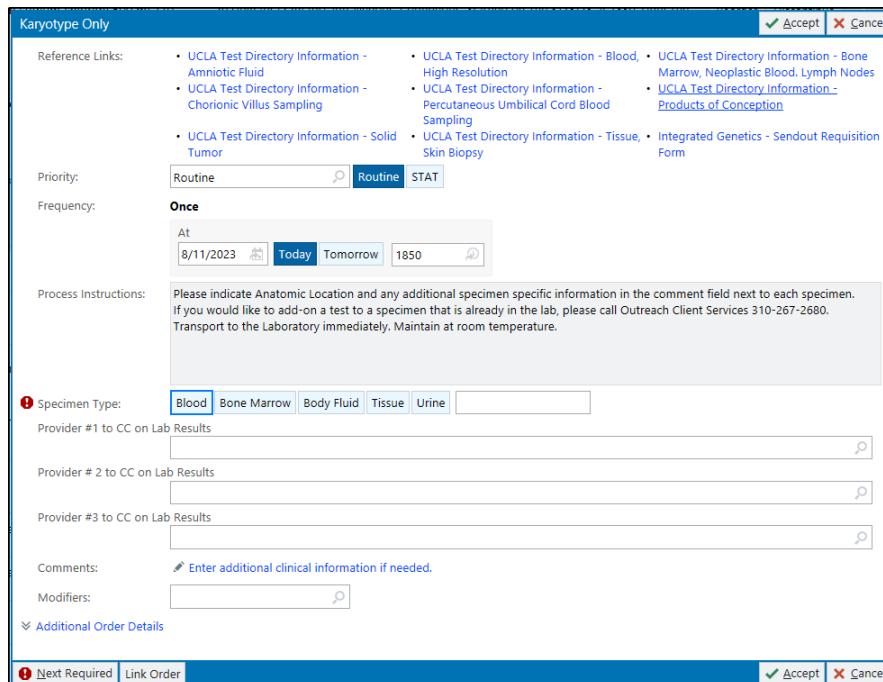
Procedures

Name	Type	Pref List	Px Code	Cost t...
Karyotype and FISH (Oncology, Heme)	Path,Cyt	BKR IP LA...	LAB9020R	
Karyotype Only	Path,Cyt	BKR IP LA...	LAB9018R	
Karyotype and FISH (Constitutional, Postnatal)	Path,Cyt	BKR IP LA...	LAB9053R	
FISH and Karyotype (to be ordered ONLY by Bone Marrow Lab staff)	BKR IP LA...		O246440	

Select And Stay Accept Cancel

7. Indicate the **Specimen Type** for the order.

8. Select the appropriate answers to all questions and add the relevant clinical information in the *Comments* field.



Karyotype Only

Reference Links:

- UCLA Test Directory Information - Amniotic Fluid
- UCLA Test Directory Information - Chorionic Villus Sampling
- UCLA Test Directory Information - Solid Tumor
- UCLA Test Directory Information - Blood, High Resolution
- UCLA Test Directory Information - Percutaneous Umbilical Cord Blood Sampling
- UCLA Test Directory Information - Tissue, Skin Biopsy
- UCLA Test Directory Information - Bone Marrow, Neoplastic Blood, Lymph Nodes
- UCLA Test Directory Information - Products of Conception
- Integrated Genetics - Sendout Requisition Form

Priority: Routine Routine STAT

Frequency: Once

At: 8/11/2023 Today Tomorrow 1850

Process Instructions:

Please indicate Anatomic Location and any additional specimen specific information in the comment field next to each specimen. If you would like to add-on a test to a specimen that is already in the lab, please call Outreach Client Services 310-267-2680. Transport to the Laboratory immediately. Maintain at room temperature.

Specimen Type: Blood Bone Marrow Body Fluid Tissue Urine

Provider #1 to CC on Lab Results

Provider #2 to CC on Lab Results

Provider #3 to CC on Lab Results

Comments: Enter additional clinical information if needed.

Modifiers:

Additional Order Details

Next Required Link Order Accept Cancel

9. Click **Accept** when complete.

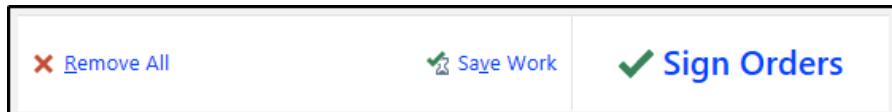
10. Once all the order details are filled out:

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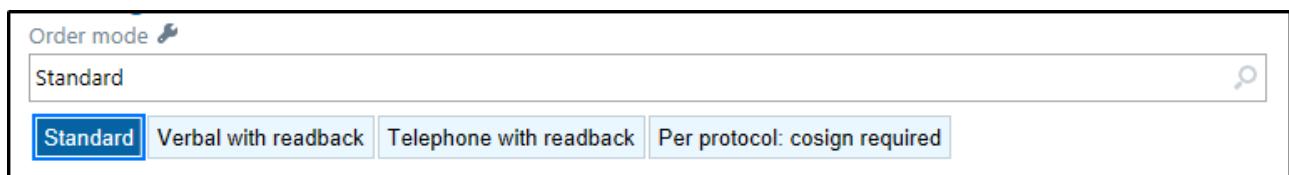
- a. Outpatient: click **Sign Orders** at the bottom of the screen.



- b. Inpatient: click **Sign Orders** at the bottom of the screen.



11. Select the appropriate **Order Mode**



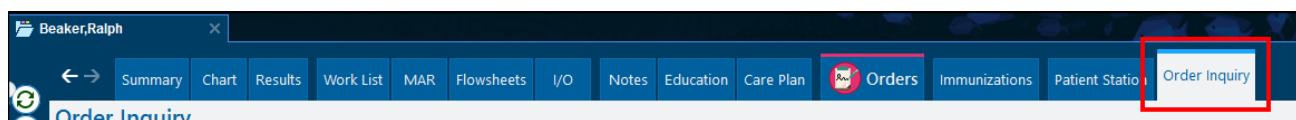
12. Verify the correct **Authorizing Provider**.

Do not select a UCLA pathologist as either the **Ordering** or **Authorizing Provider**.

13. Click **Accept**.

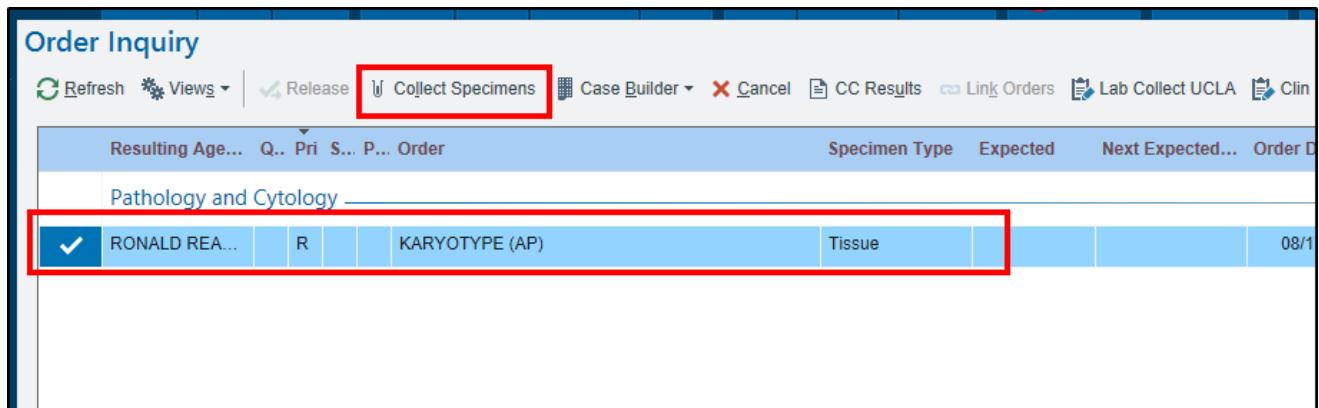
B. Specimen Collection and Label Printing

1. Within the patients encounter, select the **Order Inquiry** tab.



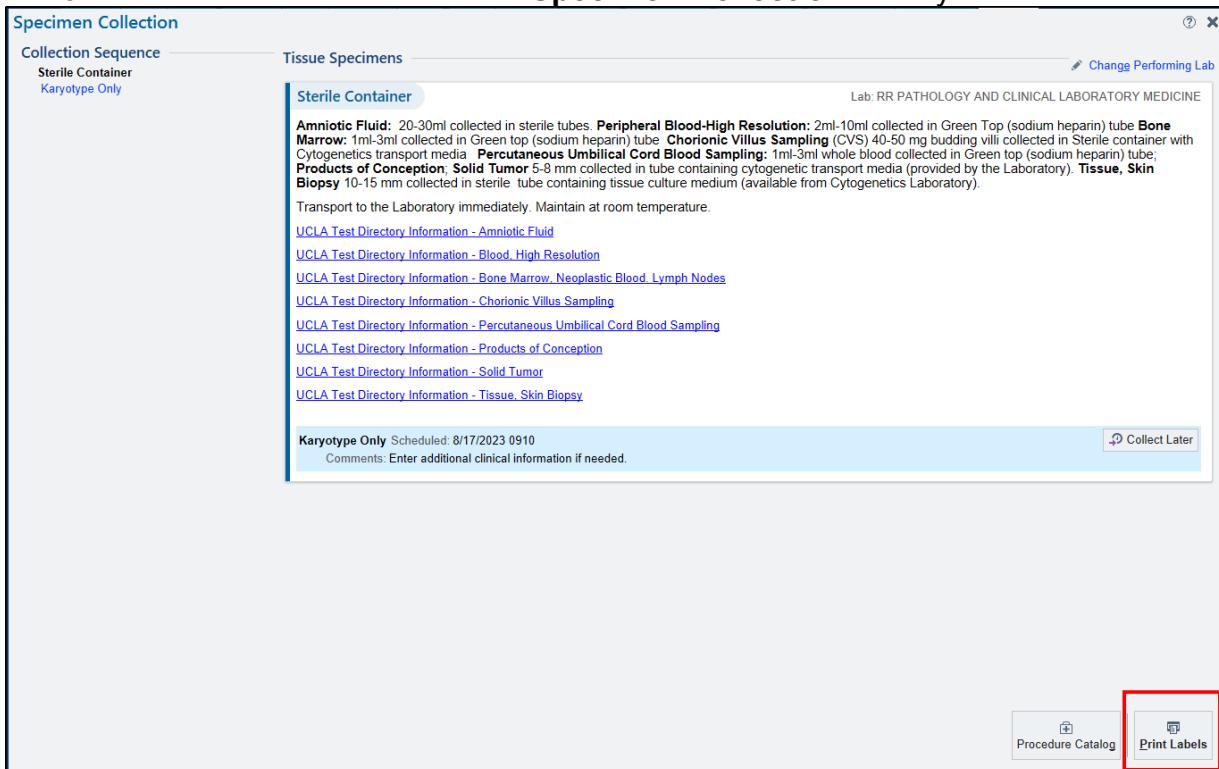
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2. Select the **Karyotype** order that was placed on the patient and click **Collect Specimens**.



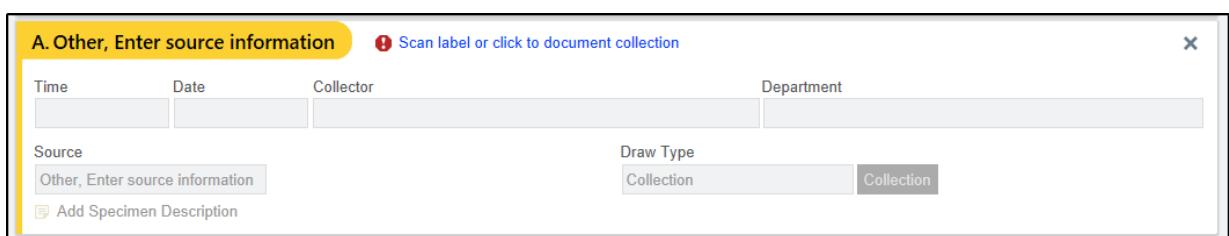
The screenshot shows the 'Order Inquiry' interface. At the top, there are buttons for Refresh, Views, Release, Collect Specimens (which is highlighted with a red box), Case Builder, Cancel, CC Results, Link Orders, Lab Collect UCLA, and Clin. Below this is a table header with columns for Resulting Age..., Q.. Pri S.. P.. Order, Specimen Type, Expected, Next Expected..., and Order D. A row for 'Pathology and Cytology' is selected. The table data shows a row for RONALD REA... with a checked checkbox, a 'R' button, and a 'KARYOTYPE (AP)' button. The 'Specimen Type' column shows 'Tissue'. The 'Order D' column shows '08/1'. A red box highlights the 'Collect Specimens' button at the top and the row for the Karyotype order.

3. Select Print Labels within the **Specimen Collection** activity.



The screenshot shows the 'Specimen Collection' screen. On the left, there's a 'Collection Sequence' section with 'Sterile Container' and 'Karyotype Only' selected. The main area is titled 'Tissue Specimens' and shows a 'Sterile Container' section with detailed instructions for various specimens like Amniotic Fluid, Peripheral Blood-High Resolution, Bone Marrow, Chorionic Villus Sampling, and Tissue Biopsy. Below this is a 'Karyotype Only' section with a scheduled date of 8/17/2023 0910 and a 'Comments' field. At the bottom right, there are buttons for 'Procedure Catalog' and 'Print Labels' (which is highlighted with a red box).

4. Using the barcode scanner, scan the printed label to document collection.



The screenshot shows the 'A. Other, Enter source information' screen. It has fields for Time, Date, Collector, and Department. Below these are 'Source' and 'Draw Type' fields. The 'Source' field contains 'Other, Enter source information' and has an 'Add Specimen Description' link. The 'Draw Type' field has 'Collection' selected. At the bottom right, there is a 'Print Labels' button (highlighted with a red box).

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Note: If barcode scanner is unavailable, click the *Scan label or click to document collection* hyperlink and document all the appropriate fields (if needed).

5. Once the collection required collection information has been filled in, select **Receive or Accept** and the window should automatically close.

