

COVID-19 Research Study

Cohort: COVID-19-Affected (Positive, PUI, At-Risk) Pregnant Individuals

HOW TO ASSEMBLE SAMPLE KITS

L&D KIT

Materials:

1. **1 large clear biohazard bag**
2. **1 blood kit, urine kit, stool kit, saliva kit, sputum kit, nasal/pharyngeal swab kit, rectal swab kit, vaginal swab kit, cord blood/placenta kit**
3. **1 medium-sized biohazard bag** [for final specimen transport after collection]
4. **1 “How to Collect Specimens” sheet**
5. **1 “Sample Collection Form”**
6. **1 “Sample Kit Labels (L&D)” label sheet and 1 “Sample Collection Container Labels” sheet**
7. **1 “Sample Kit Bag Labels” label sheet**

Steps:

1. Label **1 large clear biohazard bag** and **1 medium-sized clear biohazard bag** with large-font study ID label (#####).
2. Unseal large clear biohazard bag and place **1 stool collection hat** inside.
3. Place all indicated sample kits in their respective blue biohazard bags inside the large clear biohazard bag and seal closed.
4. Label **“Sample Collection Form”** with study ID label (#####) next to **Study ID:** (top left of page)
5. Include **“How to Collect Specimens,” “Sample Collection Form,”** and **medium-sized clear biohazard bag** all folded in front pocket of large clear biohazard bag.

ANTEPARTUM KIT

Materials:

8. **2 medium-sized clear biohazard bags**
9. **1 blood kit, urine kit, stool kit, saliva kit, sputum kit, nasal/pharyngeal swab kit, rectal swab kit, vaginal swab kit**
10. **1 “How to Collect Specimens” sheet**
11. **1 “Sample Collection Form”**
12. **1 “Sample Kit Labels (AP)” label sheet**
13. **1 “Sample Kit Bag Labels” label sheet**
14. **1 “Sample Collection Container Labels” sheet**

Steps:

6. Label **2 medium-sized clear biohazard bags** with large-font study ID label (#####).
7. Unseal **1 medium-sized biohazard bag** and place **1 stool collection hat** inside.
8. Place all indicated sample kits in their respective blue biohazard bags inside that medium-sized clear biohazard bag and seal closed.
9. Label **“Sample Collection Form”** with study ID label (#####) next to **Study ID:** (top left of page)
10. Include **“How to Collect Specimens,” “Sample Collection Form,”** and other **medium-sized clear biohazard bag** all folded in front pocket of large clear biohazard bag.

COVID-19 Research Study

Cohort: COVID-19-Affected (Positive, PUI, At-Risk) Pregnant Individuals

INDIVIDUAL SAMPLE KITS (within L&D / Antepartum Kit)

BLOOD KIT

Materials:

1. **1 blue biohazard bag**
2. **1 SST** (tiger-top tube)
3. **2 EDTA** (purple-top tube)
4. **1 PAXgene** (liquid-filled red-top tube)

Steps:

1. Label **1 blue biohazard bag** with study ID label (#####) and sample kit bag label ([Blood](#)).
2. Label **1 SST** and **2 EDTA** with “##### [Blood – M *5 mL*](#)” label.
3. Label **1 PAXgene** with “##### [Blood – M *2.5 mL*](#)” label.
4. Place all **4** tubes into blue biohazard bag and seal closed.

URINE KIT

Materials:

1. **1 blue biohazard bag**
2. **1 Plastic collection container** (gray lid)

Steps:

1. Label **1 blue biohazard bag** with study ID label (#####) and sample kit bag label ([Urine](#)).
2. Label **1 plastic collection container** with “##### [Urine](#)” label (container) and “[Urine](#)” label (lid).
3. Place container into blue biohazard bag and seal closed.

STOOL KIT

Materials:

1. **1 blue biohazard bag**
2. **1 Stool collection hat**
3. **1 Plastic collection container** (gray lid)
4. **1 Plastic spoon**

Steps:

1. Label **1 blue biohazard bag** with study ID label (#####) and sample kit bag label ([Stool](#)).
2. Label **1 plastic collection container** with “##### [Stool](#)” label (container) and “[Stool](#)” label (lid).
3. Place container and **plastic spoon** into blue biohazard bag and seal closed.

****Stool collection hat** goes directly into large clear biohazard bag.

SALIVA KIT

Materials:

1. **1 blue biohazard bag**
2. **1 Plastic collection container** (gray lid)

Steps:

1. Label **1 blue biohazard bag** with study ID label (#####) and sample kit bag label ([Saliva](#)).
2. Label **1 plastic collection container** with “##### [Saliva](#)” label (container) and “[Saliva](#)” label (lid).
3. Place container into blue biohazard bag and seal closed.

COVID-19 Research Study

Cohort: COVID-19-Affected (Positive, PUI, At-Risk) Pregnant Individuals

SPUTUM KIT

Materials:

1. **1 blue biohazard bag**
2. **1 Plastic collection container** (gray lid)

Steps:

1. Label **1 blue biohazard bag** with study ID label (#####) and sample kit bag label ([Sputum](#)).
2. Label **1 plastic collection container** with “##### Sputum” label (container) and “Sputum” label (lid).
3. Place container into blue biohazard bag and seal closed.

NASAL/PHARYNGEAL SWAB KIT

Materials:

1. **1 blue biohazard bag**
2. **1 smaller swab** (nasal)
3. **1 larger swab** (pharyngeal)
4. **2 15-mL falcon tubes** (orange top) with 3 mL DPBS each
5. **2 rubber bands**

Steps:

1. Label **1 blue biohazard bag** with study ID label (#####) and sample kit bag labels ([Nasal Swab](#) and [Pharyngeal Swab](#)).
2. Label **1 15-mL falcon tube** (with 3 mL DPBS) with “##### Nasal Swab” label. Group this falcon tube and the smaller nasal **swab** together via a **rubber band**.
3. Label **1 15-mL falcon tube** (with 3 mL DPBS) with “##### Pharyngeal Swab” label. Group this falcon tube and the larger pharyngeal **swab** together via a **rubber band**.
4. Place both assemblages into blue biohazard bag and seal closed.

RECTAL SWAB KIT

Materials:

1. **1 blue biohazard bag**
2. **1 swab**
3. **1 14-mL falcon tube** (clear top)

Steps:

1. Label **1 blue biohazard bag** with study ID label (#####) and sample kit bag label ([Rectal Swab](#)).
2. Label **1 14-mL falcon tube** with “##### Rectal Swab” label.
3. Place tube and **swab** into blue biohazard bag and seal closed.

VAGINAL SWAB KIT

Materials:

1. **1 blue biohazard bag**
2. **1 swab**
3. **1 14-mL falcon tube** (clear top)

Steps:

1. Label **1 blue biohazard bag** with study ID label (#####) and sample kit bag label ([Vaginal Swab](#)).
2. Label **1 14-mL falcon tube** with “##### Vaginal Swab” label.
3. Place tube and **swab** into blue biohazard bag and seal closed.

COVID-19 Research Study

Cohort: COVID-19-Affected (Positive, PUI, At-Risk) Pregnant Individuals

CORD BLOOD/PLACENTA KIT

Materials:

1. **1 clear zip-lock bag**
2. **2 small blue biohazard bags** [for cord blood tubes after collection]
3. **1 medium-sized clear biohazard bag** [for white box (placental samples) after collection]
4. **1 suture removal kit**
5. **1 4x4 sponge gauze**
6. **2 petri dishes**
7. **1 20-cc luer lock syringe**
8. **1 18-gauge needle**
9. **1 “How to Collect Cord Blood & Placenta” sheet**
10. **1 white cryobox**
11. **1 SST** (tiger-top tube)
12. **2 EDTA** (purple-top tube)
13. **1 PAXgene** (liquid-filled red-top tube)
14. **4 15-mL falcon tubes** (orange top) **with 7.5 mL RNAlater each**
15. **2 50-mL falcon tubes** (orange top) **with 40 mL PBS each**
16. **2 small pieces of tape**
17. **1 large rubber band**

Steps:

1. Label **1 clear zip-lock bag** and **1 white box** (lid) with “**##### Cord Blood / Placenta**” label.
2. Label **2 blue biohazard bags** with “**##### Cord Blood**” label.
3. Label **1 medium-sized clear biohazard bag** with “**##### Placenta**” label.
18. Inside **clear zip-lock bag**, place **suture removal kit**, **4x4 sponge gauze**, **20-cc luer lock syringe**, **18-gauge needle**, **2 petri dishes**, both folded **blue biohazard bags**, folded **medium-sized clear biohazard bag**, and folded “**How to Collect Cord Blood & Placenta**” sheet.
4. Label **1 SST** and **2 EDTA** with “**##### Blood – M *5 mL***” label.
5. Label **1 PAXgene** with “**##### Blood – M *2.5 mL***” label.
6. Open **white box** and place blood tubes in **1st** row (closest to you) in the order **SST, EDTA, PAX, EDTA** (from left to right).
7. Label **2 15-mL falcon tubes** (with 7.5 mL RNAlater) with “**##### Plac-F**” label. Place these tubes in the **2nd** row (behind the blood tubes).
8. Label **2 15-mL falcon tubes** (with 7.5 mL RNAlater) with “**##### Plac-M**” label. Place these tubes in the **3rd** row (behind the “Plac-F” falcons).
9. Label **2 50-mL falcon tubes** (with 40 mL DPBS) with “**DPBS Rinse (saline)**” label. Place these tubes in the **4th** row (behind the “Plac-M” falcons).
10. Place lid back onto **white box** (ensuring that lid label is in front), and **tape** two opposite sides.
11. Place **clear zip-lock bag** on top of **white box** and group together via a **large rubber band**.