

Use Direct Sampling When:

- ✓ Sample volume is low
- ✓ Manual orders are entered at the analyzer console
- ✓ Conserving specimen volume is important

Do NOT Use Direct Sampling For:

- ✗ Quality Control / Calibration
- ✗ Samples with adequate volume
- ✗ Batch test orders
- ✗ Host/LIS/Middleware orders
- ✗ Automation samples

Approved Direct Sampling Containers

Pediatric insert cup in an adapter

0.5-mL Sample cup nested in a 16-mm x 100-mm tube

2.5-mL Sample cup nested in a 16-mm x 100-mm tube

2.0-mL Access sample cup nested in a 16-mm x 100-mm tube

2.0-mL Sample cup nested in a 16-mm x 100-mm tube

0.5-mL Sample cup

2.5-mL Sample cup

2.0-mL Access sample cup

2.0-mL Sample cup

Before You Begin:

- ✓ Confirm approved Direct Sampling containers are being used
- ✓ Verify adequate sample volume
- ✓ Ensure reagents and calibrations are available

Step	Entering a Direct Sample Test Order
1	Select Order in the navigation bar.
2	Enter the rack ID in Rack ID . Rack ID can be typed manually or scanned from the rack bar code label using the handheld bar code reader.
3	Select Direct Sampling .
4	Enter information in the Rack and Position table. Select the appropriate rack position, enter or scan the Sample ID , and select the appropriate Sample Type .
5	If the sample was manually diluted, enter the applicable Dilution Factor . Refer to the reagent Instructions for Use before diluting a sample or applying a dilution factor. If applicable, select STAT . Select Done .
6	(Optional) Select Demographics , enter the information, and select Save . If any patient information is entered, a patient ID is required.
7	In the Test and Panel Selection table, select the tests or panels to run on the sample.
8	(Optional) Enter the number of Replicates . If supported by the assay, select Dilute in the Prep Type column to request an automated dilution for an individual test.
9	Repeat the sample entry steps for each additional sample container in the rack.
10	Select Save to save the order.
11	Select Sample List and select the sample to confirm the Order.
12	After the order is saved and confirmed, load the rack in the input area of the sample handler.

For Training Use Only: This document is not intended to replace information in the instrument Instructions for Use.

Important Operational Limits

➤ Direct Sampling Rack Remains in Sample Pipetting Area for a Maximum of 30 Minutes.

If a Test Cannot Start Within 30 Minutes:

- Test is canceled
- SYS flag is generated
- Result displays No Result
- Test must be reordered

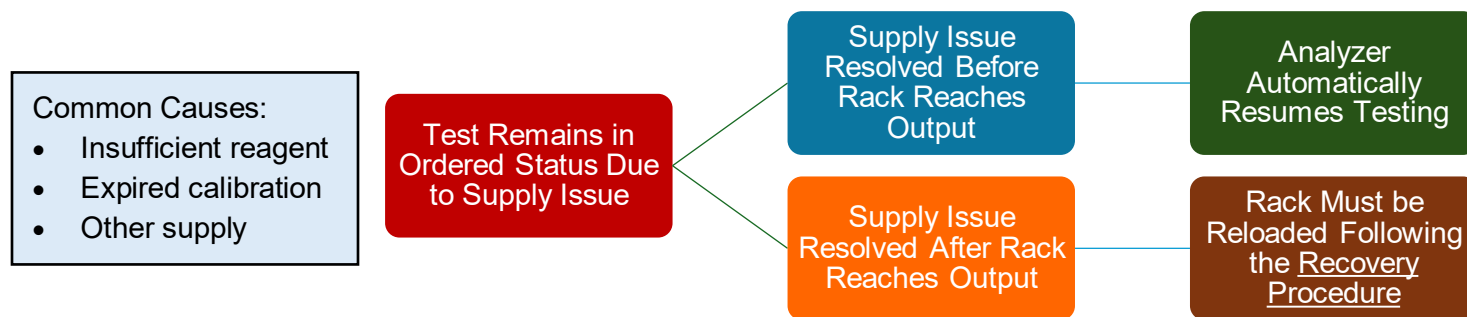
➤ PPO Flag/Error Code Precise Pipettor Obstruction:

- Pressure on precise pipettor detected above acceptable range while aspirating sample
- Inspect Sample Condition
- Verify Approved Container is being used
- Follow site troubleshooting
- Contact Beckman Coulter

➤ QNS Quantity Not Sufficient:

- Ensure minimum sample volume is met by using the minimum sample volume calculation
[Sample volume with Direct Sampling] = [(A) Test volumes] + [Sample container dead volume]
- If minimum sample volume is not met, the entire sample is marked QNS

➤ Troubleshooting: Tests Remain in Ordered Status



Step	Ordered Status Recovery Procedure
1	Resolve the Supply Issue as indicated in the Consumables, Reagents, and Calibration Task Indicators .
2	Select Order in the navigation bar.
2	Enter the Rack ID .
3	Select the Direct Sampling checkbox.
4	Enter or scan the Sample ID for samples with tests remaining in Ordered status and Confirm Tests.
5	Select Save .
6	Confirm that sufficient sample volume remains for the outstanding tests.
7	Reload the rack.
8	✅ Analyzer Processes Remaining Tests that retained Ordered Status

Important:

- ❖ Resolve supply issues before attempting to reload the rack.
- ❖ Only tests that remained in Ordered status will be processed.
- ❖ Tests successfully completed during the original request will not be repeated.

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