AU5800 Monthly Maintenance Job Aids

For Training Purposes Only

These job aids are shortened versions of the procedures found in the source below. The procedures are written as standalone procedures to ensure they can be performed in any order. The optional ISE module has references for two flow cells. Information in the job aid is correct as of the date published. Verify you have the correct information. Part numbers for supplies required for the maintenance procedures are found in the reference listed below.

Source: AU5800® Chemistry Analyzer User's Guide PN A98352AB (October 2012)

Document Disclaimers

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Revision Status	Rev. A (May 2013) Software version 4.11
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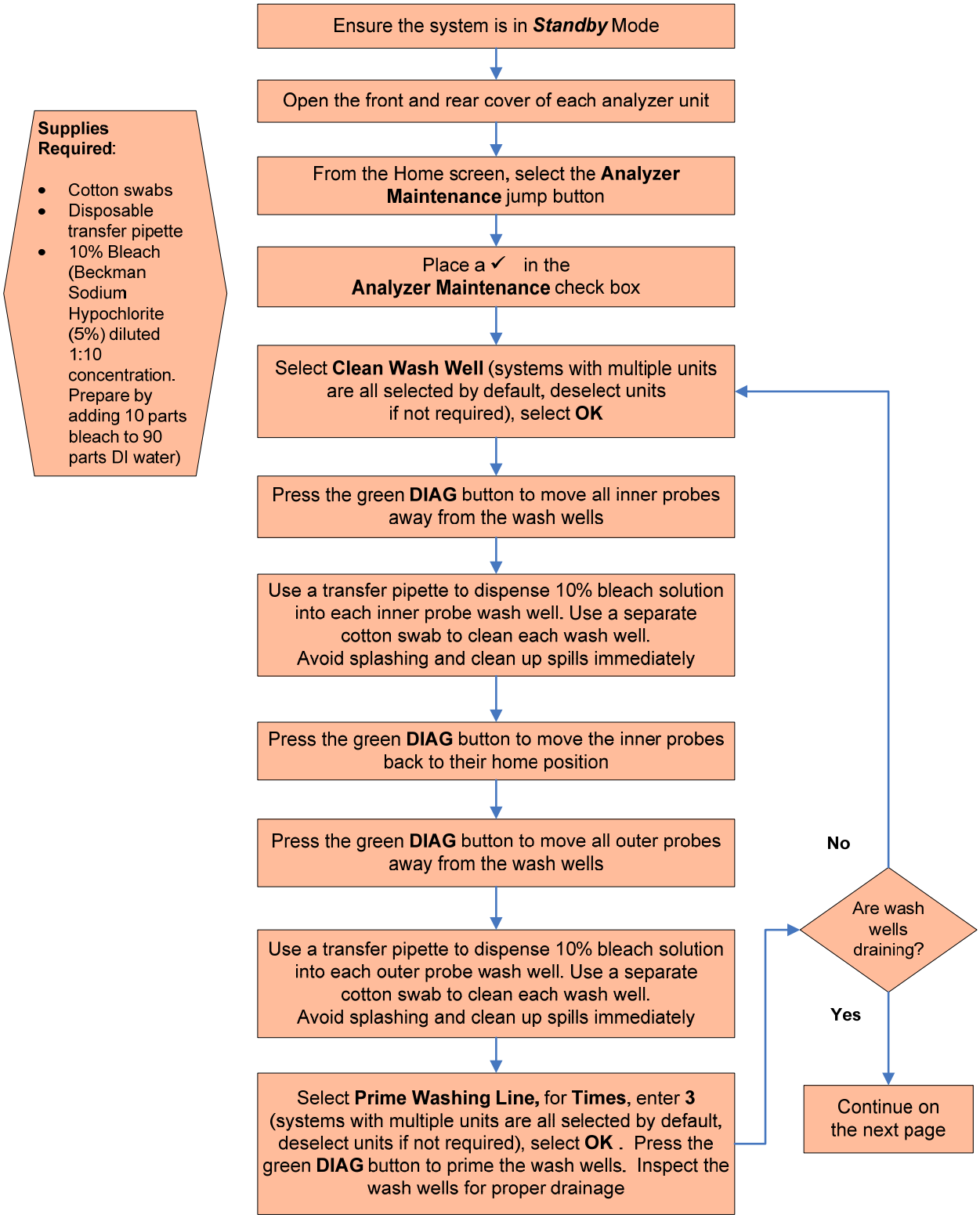
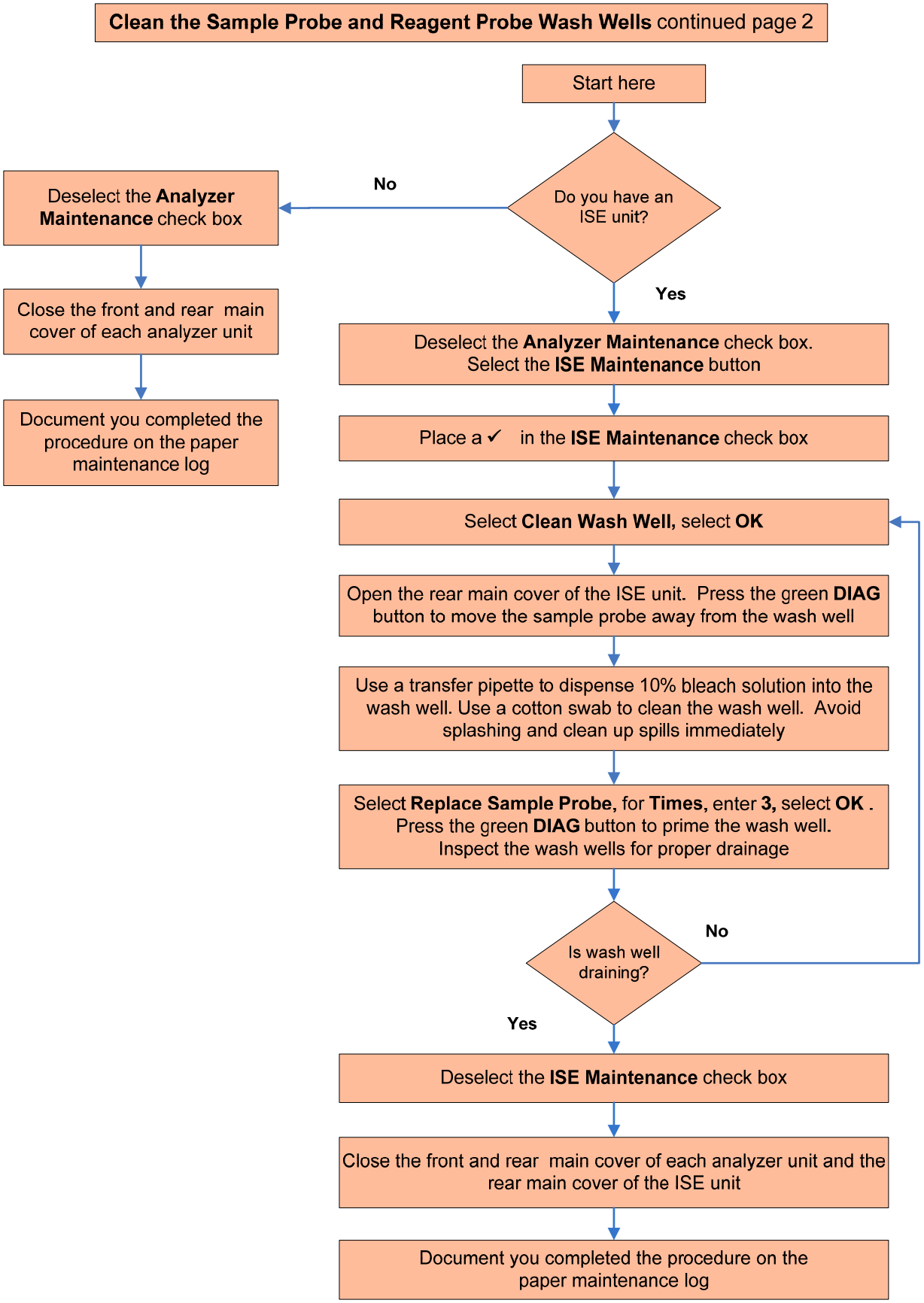
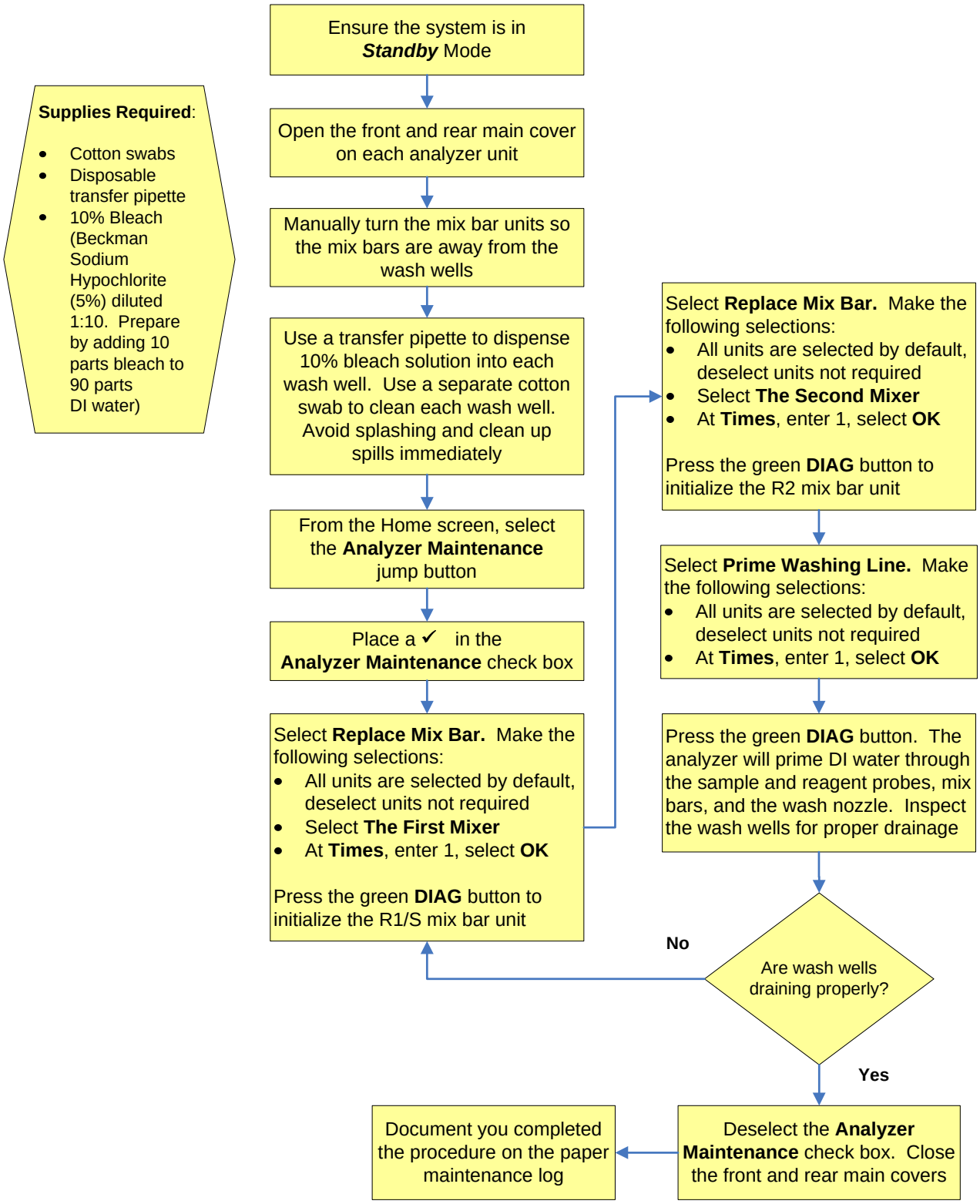
Clean the Sample Probe and Reagent Probe Wash Wells

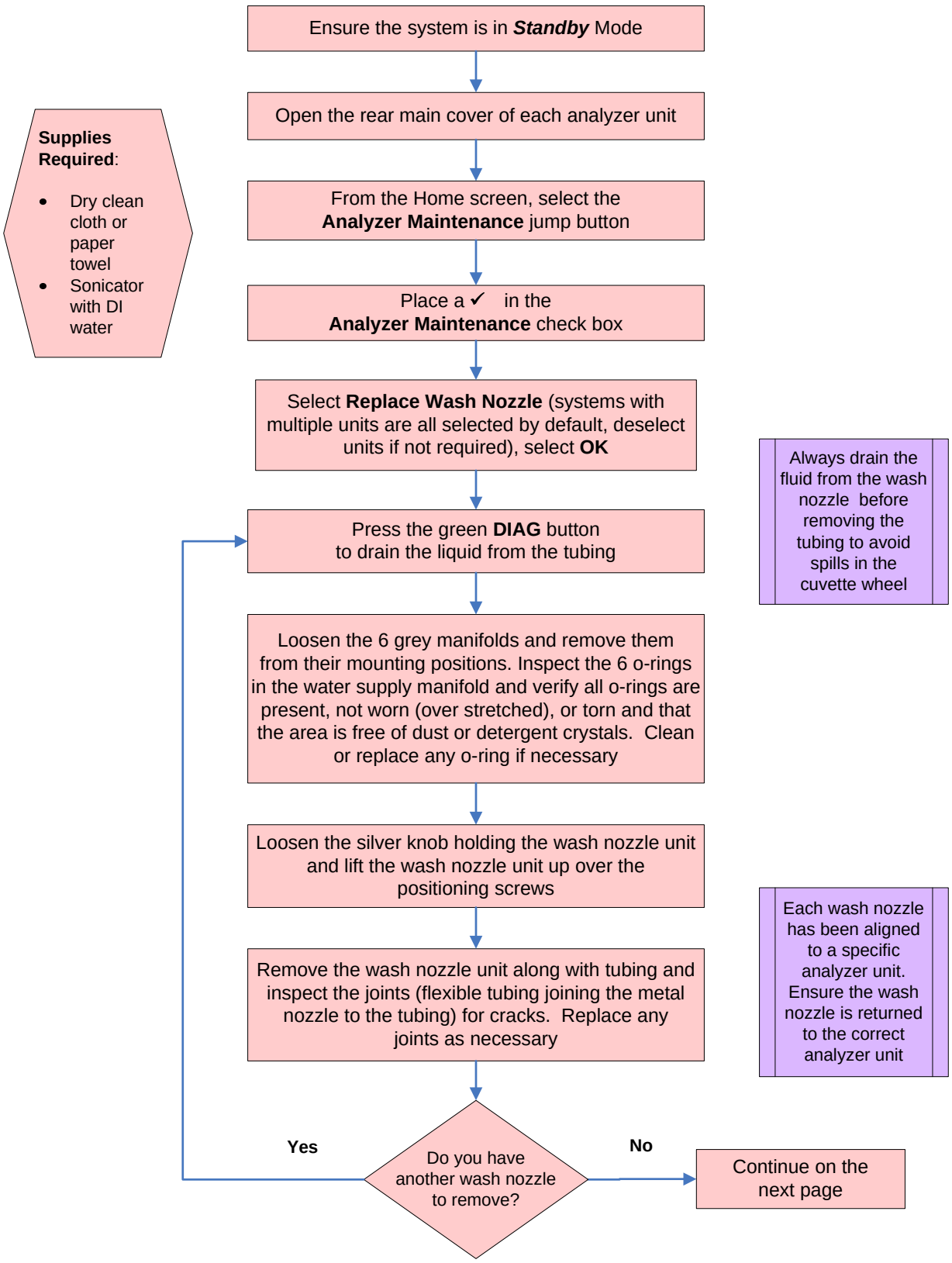



Clean the Sample Probe and Reagent Probe Wash Wells continued page 2
Start here
Do you have an ISE unit?
No
Deselect the Analyzer Maintenance check box
Close the front and rear main cover of each analyzer unit
Document you completed the procedure on the paper maintenance log
Yes
Deselect the Analyzer Maintenance check box. Select the ISE Maintenance button
Place a ✓ in the ISE Maintenance check box
Select Clean Wash Well, select OK
Open the rear main cover of the ISE unit. Press the green DIAG button to move the sample probe away from the wash well
Use a transfer pipette to dispense 10% bleach solution into the wash well. Use a cotton swab to clean the wash well. Avoid splashing and clean up spills immediately
Select Replace Sample Probe, for Times, enter 3, select OK . Press the green DIAG button to prime the wash well. Inspect the wash wells for proper drainage
Is wash well draining?
No
Yes
Deselect the ISE Maintenance check box
Close the front and rear main cover of each analyzer unit and the rear main cover of the ISE unit
Document you completed the procedure on the paper maintenance log

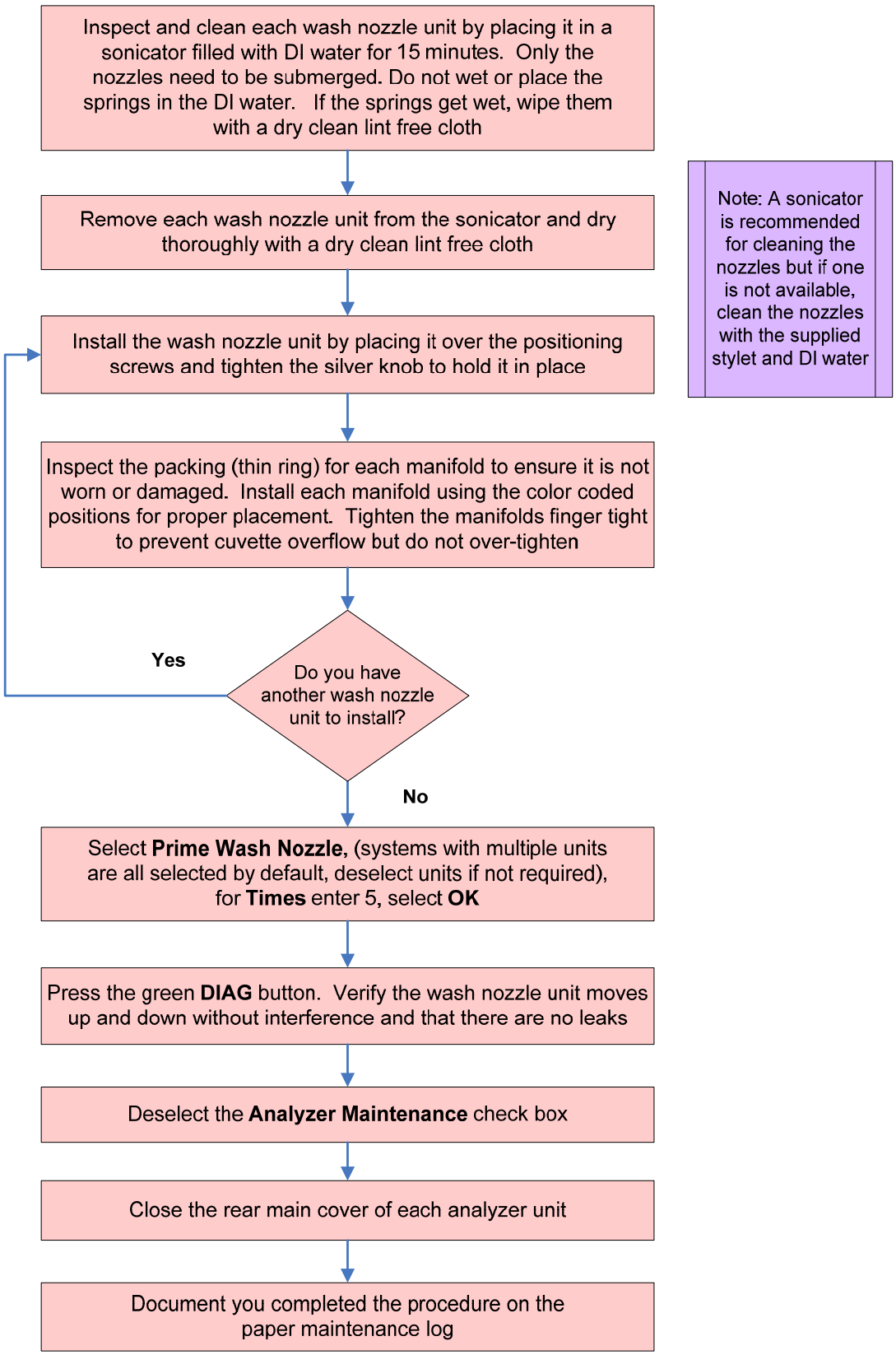
Clean the Mix Bar Wash Wells



Clean the Wash Nozzle Unit and Check the Tube Mounting Joints



Clean the Wash Nozzle Unit and Check the Tube Mounting Joints continued page 2



Clean the DI Water Tank, DI Water and Sample Probe Filters

Supplies Required:

- Dry clean lint free cloth
- Basin
- 20% Bleach (Beckman Sodium Hypochlorite (5%) diluted 1:20. Prepare by adding 20 parts bleach to 80 parts DI water)
- DI water tank filled with 5 L of DI water
- Sonicator with DI water

Perform this procedure for each analyzer unit. Ensure the system is in ***Standby***. From the Home screen, select the **End Process** button

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Open the front right door on each analyzer unit

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Place a basin on the floor in front of the DI Water tank to catch spilled water

Be sure to remove the float sensor connector to prevent water from pouring out of the DI water tubing

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Disconnect the float sensor connector #795

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Press the grey quick disconnect joints on the front of the tank, remove the tubings from the front of the tank

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Pull the DI water tank forward and pull out the tubings from the top of the tank. Wrap the tubings with a dry clean lint-free cloth (1 tube has the DI water filter attached)

Avoid pulling the DI water tank by the front valves

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Pull the DI water tank out of the analyzer. Unscrew and remove the float sensor from the DI water tank, wipe the float sensor with DI water, then wipe the float sensor dry with a dry clean lint free cloth. Install the float sensor in the spare DI water tank containing 5 L of DI water

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Discard the DI water from the tank you removed from the analyzer and rinse the tank with the 20% bleach solution. Rinse the tank thoroughly with DI water and allow to dry

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Locate the filter on the DI water supply tubing removed from the tank. Position the tubing over the basin and unscrew the filter case, remove the filter and allow the water to drip

→ Continue on the next page

Clean the DI Water Tank, DI Water and Sample Probe Filters continued page 2

Remove the sample probe filter case from the bracket located directly to the left of the DI water tank. Press the grey quick disconnect joints on the top and the bottom, remove tubes, and pull the sample probe filter case forward

Unscrew the filter case over the basin, remove the filter and allow the water to drip. Do not lose the o-ring and the filter positioning insert. Note the orientation of the filter positioning insert for reinstallation

Place the DI water filter and the sample probe filter in a sonicator filled with DI water for 10 minutes

Insert the DI water filter into the case on the DI water supply tubing and tighten the case cap. Sample probe and DI water filters are interchangeable

Insert the sample probe filter into the case ensuring the o-ring is installed and the filter positioning insert is oriented inside the filter, tighten the case

Ensure the top of the case is oriented correctly. Reconnect the grey quick disconnect joints at the top and bottom of the filter case. Listen for a distinct click to ensure proper installation. Place the sample probe filter back into the bracket

Place all the water supply tubes into the top of the DI water tank containing 5 L of DI water. Push the tank into place. Reconnect the grey quick disconnect joints on the front of the tank by listening for a distinct click to ensure proper installation

Reconnect the float sensor connector labeled #795

Wipe up any spills and remove the basin

Press the green **ON** button. At the Data Index window, make the appropriate index selection, select **OK**

When the system is in ***Warmup*** mode, select the **Analyzer Maintenance** jump button

Place a ✓ in the **Analyzer Maintenance** check box

Select **Prime Washing Line,** at **Times,** enter **3,** select **OK**

Press the green **DIAG** button and watch the prime. Repeat the prime by pressing the green **DIAG** button until all bubbles are removed from the DI water supply line

Close the door on each analyzer unit. Deselect the **Analyzer Maintenance** check box

Document you completed the procedure on the paper maintenance log