

AU5800 Every Other Week and Weekly 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.

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

Document Disclaimers

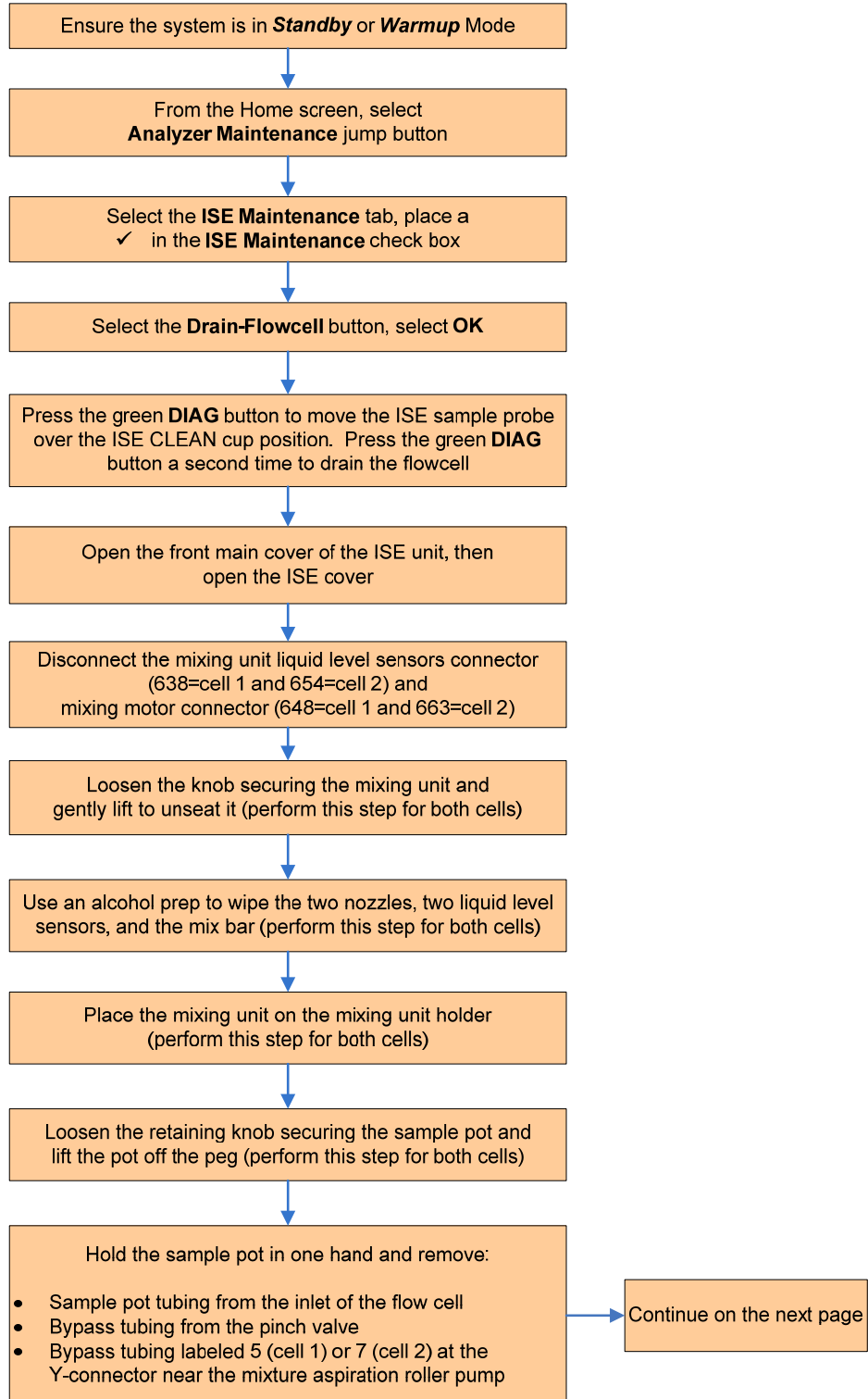
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Revision Status	Rev. A (April 2013) Software version 4.11
Trademarks	AU5800® Chemistry Analyzer

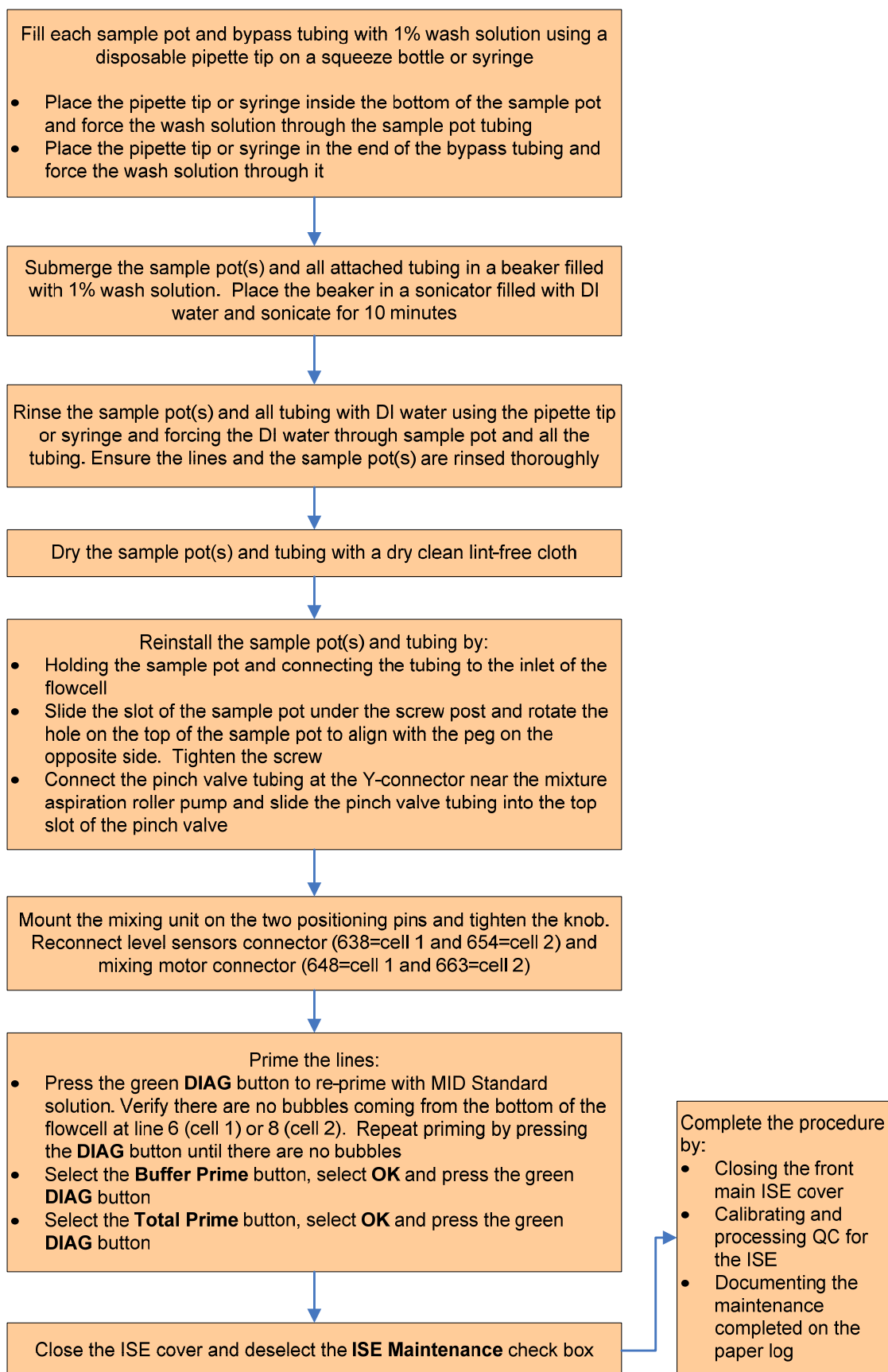
Every Other Week or Every 3,000 Samples ISE Maintenance

Manually Clean the ISE Mix Bar, Liquid Level Sensors, Sample Pot and Sample Pot Tubing

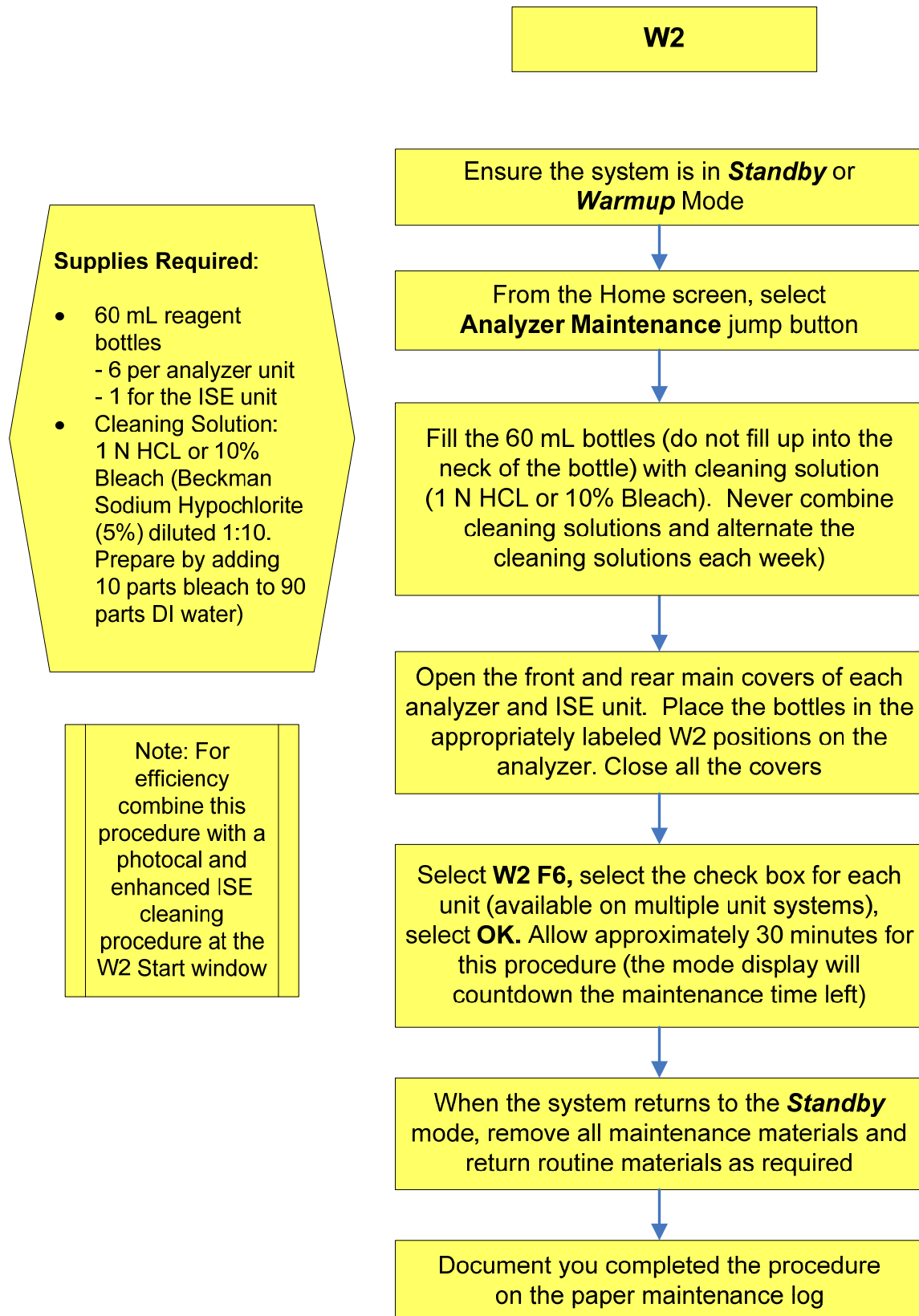
Supplies Required:

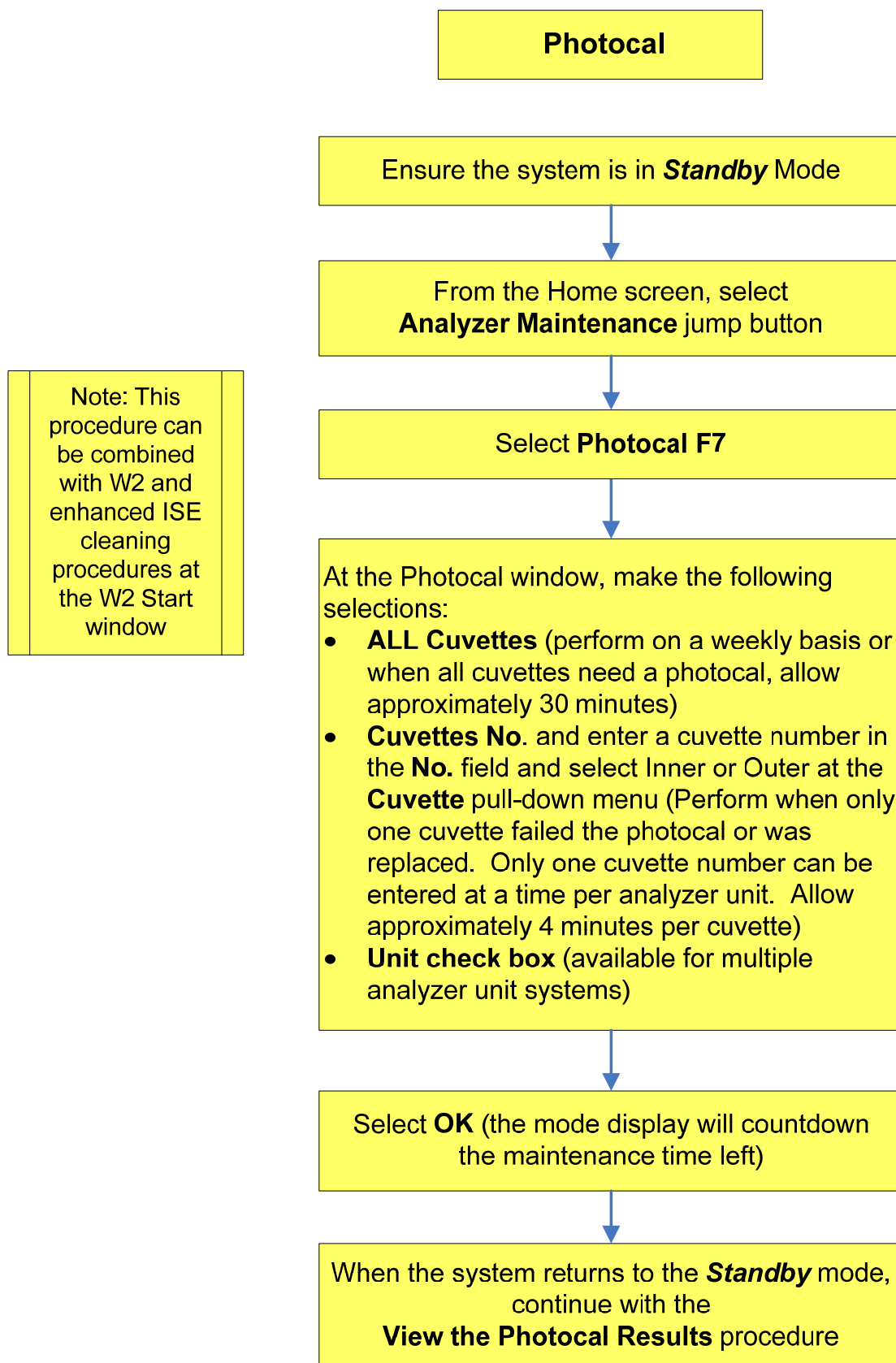
- Alcohol prep (70% isopropyl alcohol)
- 1% wash solution (1 part wash solution added to 99 parts DI water)
- Beaker
- Disposable pipette tip
- Sonicator
- Squeeze bottle or syringe
- Clean, dry lint-free cloth

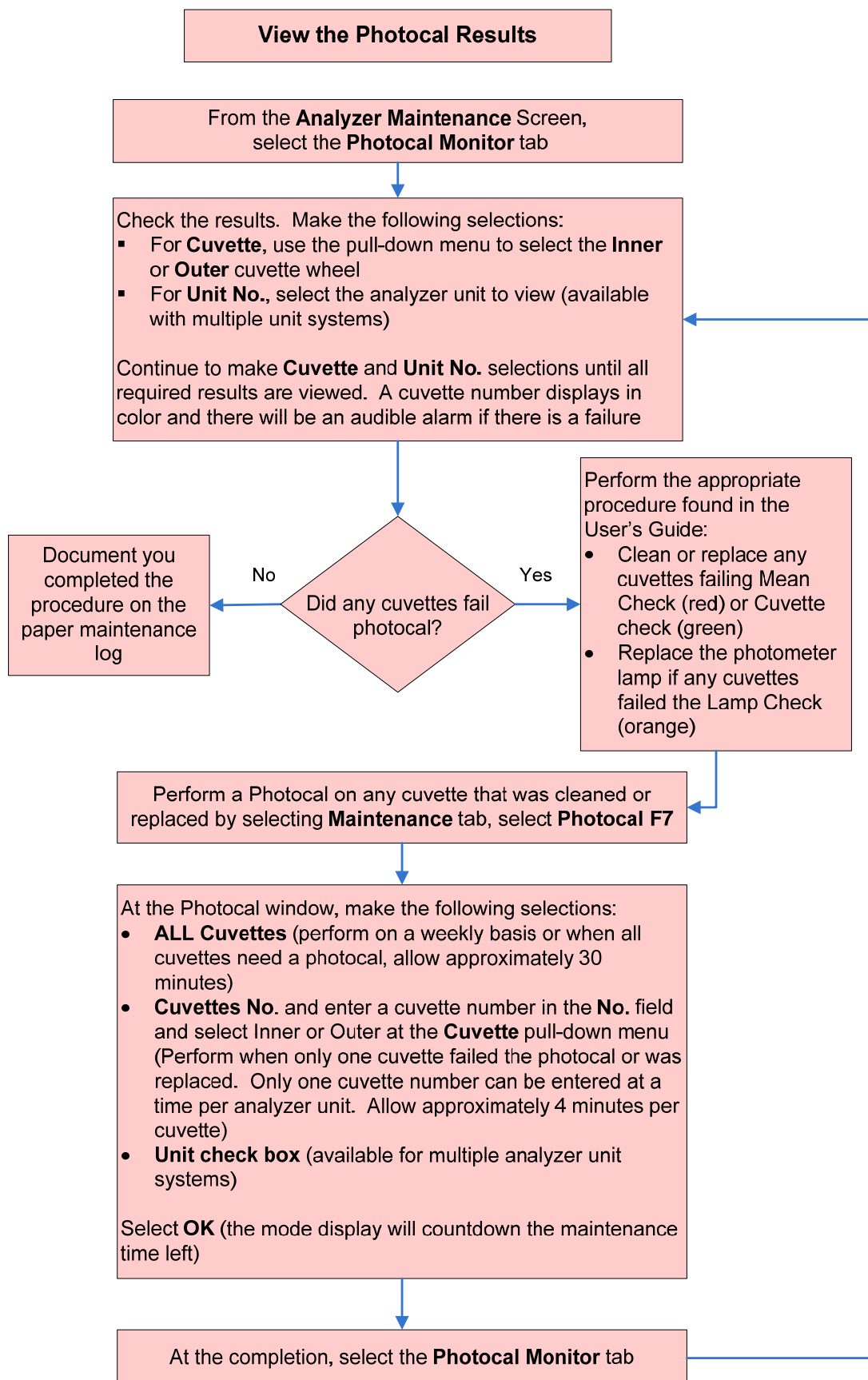




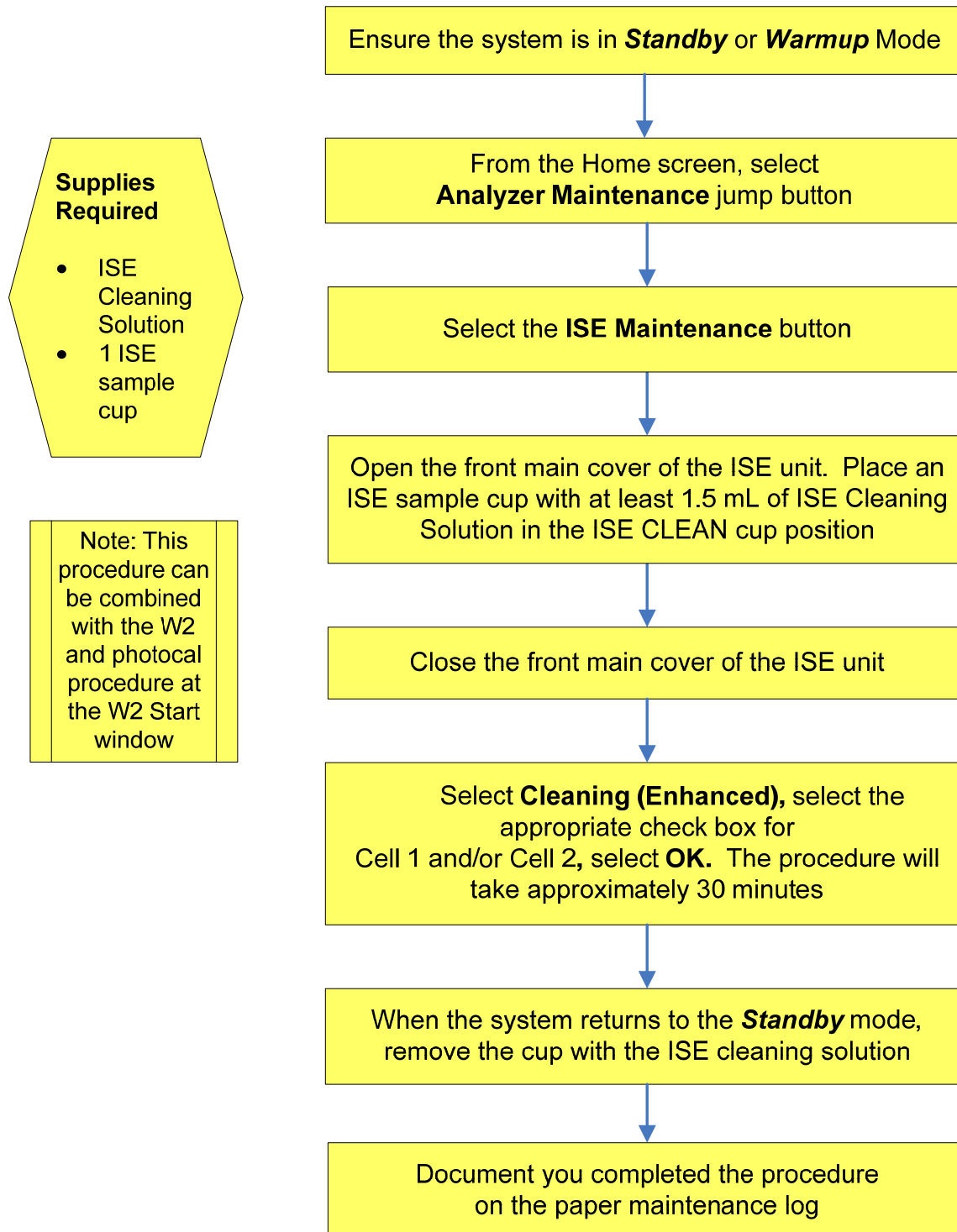
Weekly Analyzer and ISE Maintenance







Enhanced Cleaning of the ISE Electrode Line (optional module)



Check the Selectivity of the Na/K Electrodes (optional module)

Supplies Required:

- ISE Na and K Selectivity Check Solutions
- 2 ISE sample cups

Ensure the system is in **Standby**
or **Warmup** Mode

Fill the cups with at least 500 µL of Na and K
Selectivity Check solutions

Open the front main cover of the
ISE unit and place the cups in the SEL-Na and
SEL-K positions. Close the front
main cover of the ISE unit

From the Home screen, select
Analyzer Maintenance jump button,
select **ISE Maintenance** button

Select **Selectivity Check** tab,
select **Check Start**, make selections
for Cell 1 and/or Cell 2, select **OK**

When the procedure completes,
check the results

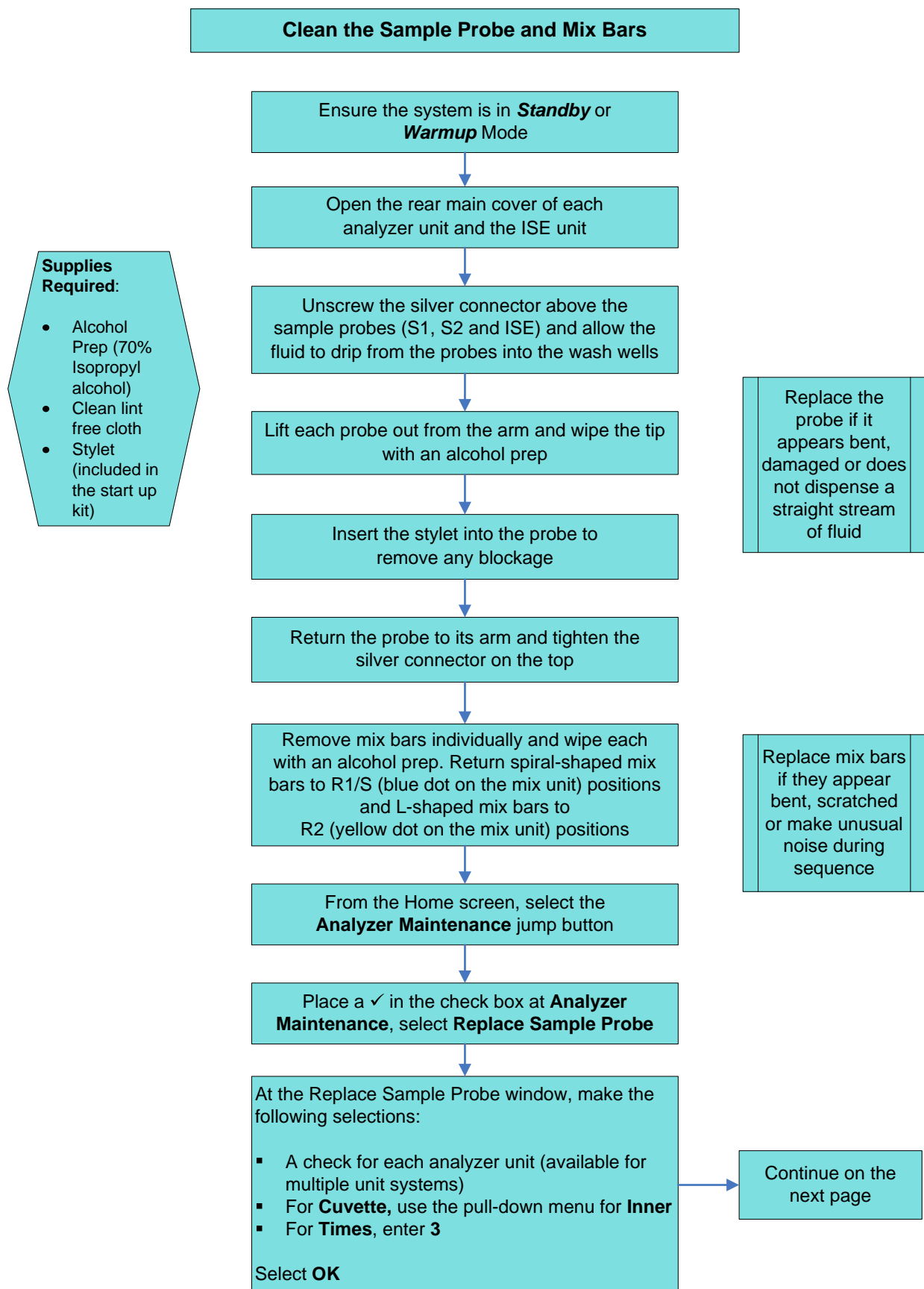
From the ISE Maintenance screen, select the
Maintenance tab, place a ✓ in the
ISE Maintenance box, select
the **MID/REF Prime** button, select **OK**

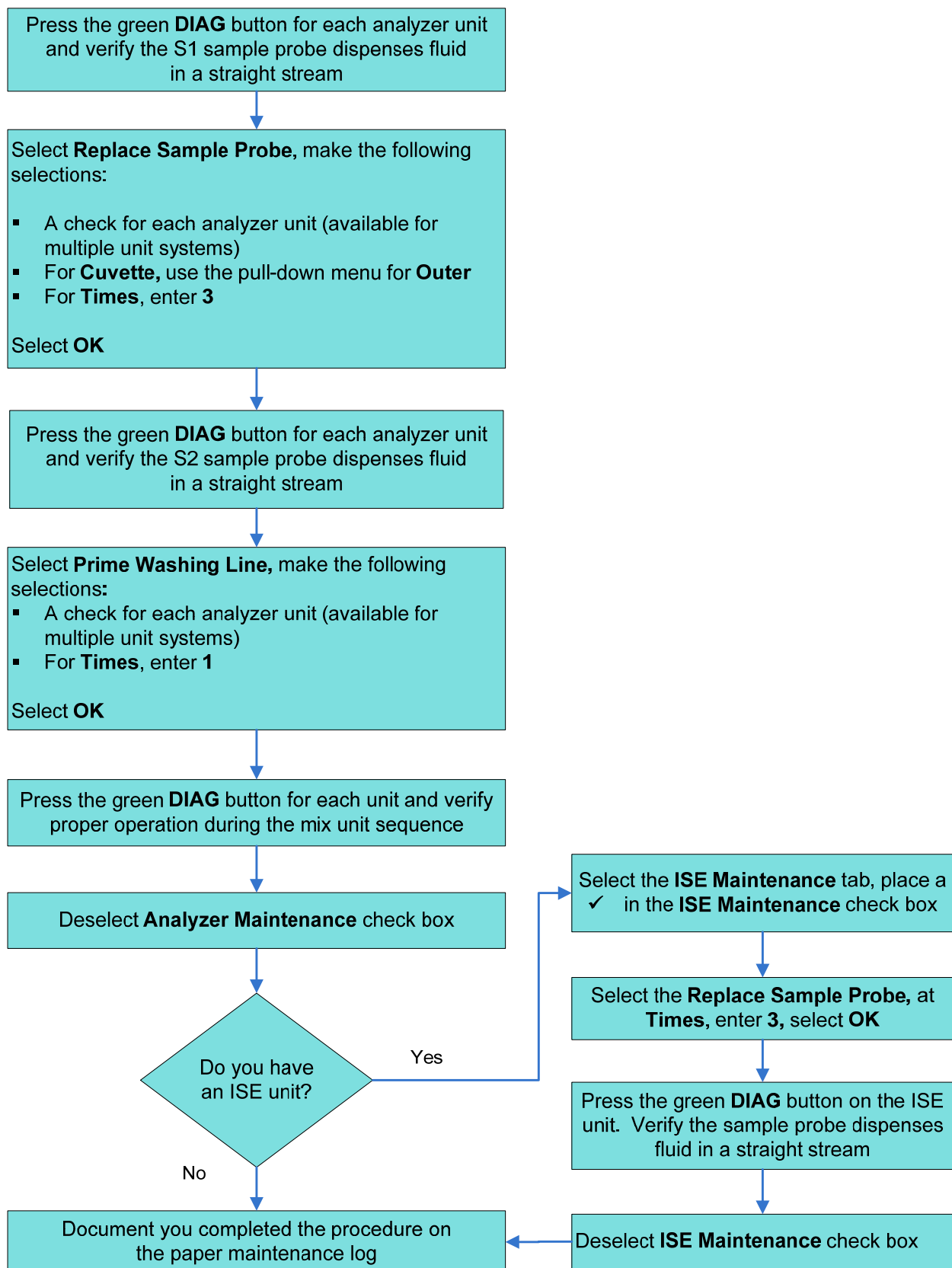
Press the green **DIAG** button to move the ISE
probe to the ISE CLEAN cup position. Press
the green **DIAG** button again to begin the
prime. Repeat the prime 3 times (a prime is
complete when the green light turns on)

When the procedure is complete,
discard the cups used

Document you completed the procedure
on the paper maintenance log

Failures will be
displayed in
yellow





Clean the Pre-dilution Bottles

Supplies Required:

- Optional:
Two 60 mL reagent bottles per analyzer unit (if alternating weekly)
- 10% Bleach
(Beckman Sodium Hypochlorite (5%) diluted 1:10.
Prepare by adding 10 parts bleach to 90 parts DI water)

Ensure the system is in **Standby** or **Warmup** Mode

Open the front main cover of each analyzer unit

Remove the pre-dilution bottles located outside the R1 reagent compartment

Wash the pre-dilution bottles by filling them with the 10% bleach solution

Rinse the pre-dilution bottles with DI water until the scent of bleach is rinsed away

Fill the pre-dilution bottles with DI water **or** allow the bottles to air dry and fill the alternate pre-dilution bottles with DI water

Place the the pre-dilution bottles filled with DI water in the appropriate positions outside the R1 reagent compartment on each analyzer unit

Close the front main cover(s)

Document you completed the procedure on the paper maintenance log