

University of Texas Medical Branch Pulmonary Function Clinic Policy 04-05 Analyzer Downtime	Effective Date: Revised Date: Review Date:	Nov 90 Aug 22 Aug 23
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Analyzer Downtime

Audience	All personnel in the Pulmonary Function Clinics.
Purpose	To provide a consistent procedure for downtime of arterial blood gas analyzer in the Pulmonary Function Clinics.
Policy	Therapist will follow manufacturer (Radiometer) guidelines for steps through start-up and shutdown process for ABL 90 FLEX PLUS analyzer. This process will occur as necessary during maintenance, troubleshooting or power outages.
Start-up	Powering analyzer on, therapist will make sure power cord is plugged to an AC source. Push the power switch to the on position. If the analyzer does not restart, press the standby button on the back of the analyzer. Solution pack and or sensor cassette may need to be installed. Note: The analyzer is ready for use when it is Ready.
Shut Down	Shutdown is a safe procedure for you to close down the analyzer. There are 2 procedures a Temporary shutdown and a Long term shutdown. Note: Do not use the power switch to shut down the analyzer. <i>Temporary Shutdown</i> Usually, the analyzer is kept switched on so that it is ready to use at any time. However, in some situations, it is necessary to do a temporary shutdown: <ul style="list-style-type: none"> • When an analyzer without a battery must be moved to a new location • When an analyzer must be moved to a new location • When the analyzer tells you to do a shutdown (for example, during a troubleshooting procedure) Note: If the analyzer is shut down for more than 2 hours, the Sensor Cassette must be replaced. <ol style="list-style-type: none"> To do a temporary shutdown <ol style="list-style-type: none"> 1. Tap Menu > Utilities > Temporary shutdown. 2. Tap the Confirm shutdown button. 3. Wait until the Windows program tells you that it is shutting down. 4. When Windows program has shut down, push the analyzer power switch to the Off position (O). <i>Long-term shutdown</i> It is usually only necessary to do a long-term shutdown when the analyzer is stored. Please refer to manufacturer's IFU for instructions.
Downtime	During the time the analyzer is unable to perform analysis, therapist will take samples to be analyzed in the Emergency Department (ED) ABG machine for Galveston campus. At the VLTC campus, patient may need to be rescheduled for the ABG only and noted in the comments. The procedure is the same, the analysis would be performed in the Pulmonary Function Clinic with Therapist drawing the sample. However, afterwards the

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sample is taken to the ED and analyzed using their equipment. Any exceptions or additions to this procedure are as follows.

- The Therapist drawing and analyzing the sample will return to the Pulmonary Function Clinic with the printed results ticket.
- Results will be entered into the Breeze software so the test can be reviewed along with other patient tests by pulmonary physicians, then exported to patients' EMR (Electronic Medical Record).

Records All records for maintenance, shut down, and downtime will be logged in the ABG Daily Log and kept for a period of **two years**.

This form documents the approval and history of the policies and procedures for the Pulmonary Function Laboratory. The Medical Director signs all policies verifying initial approval. Annually thereafter, the Director and/or designee may approve reviews and revisions.

Date	Approved by:	Signature
11/07	V. Cardenas, MD Medical Director Pulmonary Laboratory	
6/09	V. Cardenas, MD No changes to the policy	
7/10	V. Cardenas, MD No changes to the policy	
2/12	A. Duarte, MD Medical Director Pulmonary Laboratory No changes to the policy	
4/14	A. Duarte, MD Medical Director Pulmonary Laboratory Changes to the policy	
7/16	A. Duarte, MD Medical Director Pulmonary Laboratory Changes to the policy	
11/17	A. Duarte, MD Medical Director Pulmonary Laboratory Changes to the policy	
8/19	A. Duarte, MD Medical Director Pulmonary Laboratory Changes to the policy	
8/21	A. Duarte, MD Medical Director Pulmonary Laboratory Changes to the policy	
8/22	A. Duarte, MD Medical Director Pulmonary Laboratory Changes to the policy	

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A. Duarte, MD
Medical Director Pulmonary Laboratory
No Changes to the policy