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Document Name:
FYRITE Gas Analysis Job Aid

Distribution:
Microbiology Specimen Processing Manual

Document Number:
MIC61110

Date Issued:
September 17, 2019

Uncontrolled When Printed

Step	Action
FYRITE Gas Analysis	
1	Hold FYRITE upright and away from face. Depress the plunger valve (momentarily) to vent FYRITE and release.
2	Invert FYRITE. Hold at slight angle to drain fluid into top reservoir.
3	Turn upright. Hold FYRITE at 45° angle momentarily to allow fluid droplet drainage into bottom reservoir.
4	Hold FYRITE in upright position and away from face. Depress the plunger valve (momentarily) and release
5	While holding the FYRITE upright, loosen the locknut at the rear of scale. Slide scale until top of fluid column lines up with zero line on scale. Tighten the scale locknut.
6	To pump gas sample into FYRITE, insert open end of the plastic tube into the sampling port of the incubator. Hold FYRITE in an upright position and place the rubber connector tip of the sampling assembly over the plunger valve. Depress the plunger valve firmly with the connector tip. Pump the sample by squeezing and releasing the aspirator bulb 18 times. During the 18 th squeeze (with bulb held deflated) release the connector tip and the plunger valve.
7	Absorb sample gas into FYRITE by inverting until fluid drains into top reservoir. Then turn upright to drain fluid into bottom reservoir. Repeat this step once.
8	Momentarily hold FYRITE at 45° angle to allow fluid droplets to drain into the bottom reservoir.
9	With FYRITE held upright, permit fluid in column to stabilize a few seconds, then immediately read % carbon dioxide on scale at the point corresponding to top of the fluid column.

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FILENAME: MIC61110-FYRITE Gas Analysis Job Aid

PRINT DATE: 1/6/2022 2:04 PM