

IMPORTANT – MUST READ

Congratulations on your purchase of the ANKOM^{RF} Gas Production System. Designed with expert engineering, and verified with extensive testing, the ANKOM^{RF} Gas Production System is a tool that can help you successfully run your gas production studies. Before running a study, please review the information below.

1. Set up all new equipment by following the instructions in the Operator's Manual (included with the system).

NOTE: You can not combine modules from two different RFS Systems.

2. Do **NOT** connect the Base Coordinator to the associated computer (PC) before installing the GPM software. **FIRST** perform a Microsoft update on the PC to confirm the drivers are up to date, install the GPM software, then connect the base coordinator.

3. When using 1.8L bottles, the Release Pressure in the GPM software must be set to 1 psi or less.

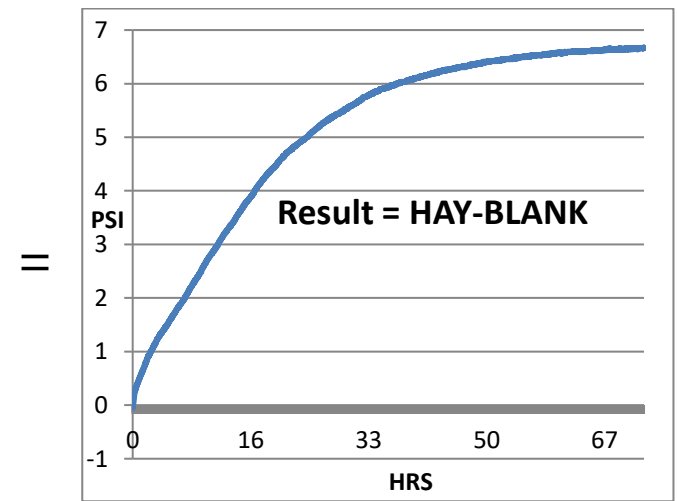
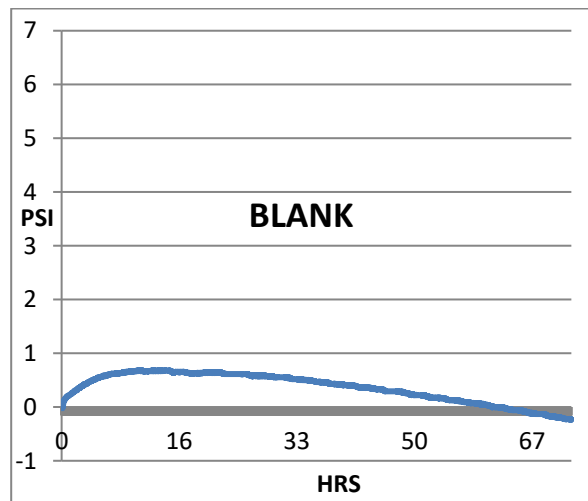
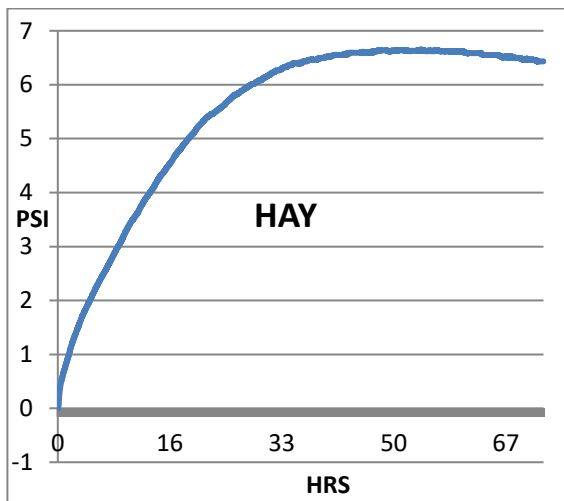
4. Run a **BLANK** (buffer and inoculum, but **NO** sample) with every study.

When running a study using the ANKOM^{RF} Gas Production System, corrections must be made for the following two factors:

- Gas produced by the inoculum.
- Gas lost by slight permeability of CO₂ through the elastomeric components of the system. In a pure CO₂ environment under 2 psi pressure, studies show that the permeability rate is ~0.02 psi/hr.

Running a blank in your study will correct for both factors. See graphs below for an example.

NOTE: The gas permeability rate of ~0.02 psi/hr is only a reference. Use the results of your Blank to correct for the identified factors.



5. If you observe results that you don't understand, and you want to verify that the ANKOM^{RF} Gas Production System is operating properly, run the RF Validation Test Service Procedure found at www.ankom.com under RF Support.