

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: Within the same system (defined as an RFS Base Kit and up to 50 RF1 modules), do NOT combine old equipment (RFS Base Kit #1–99) with new equipment (RFS Base Kit #100+).

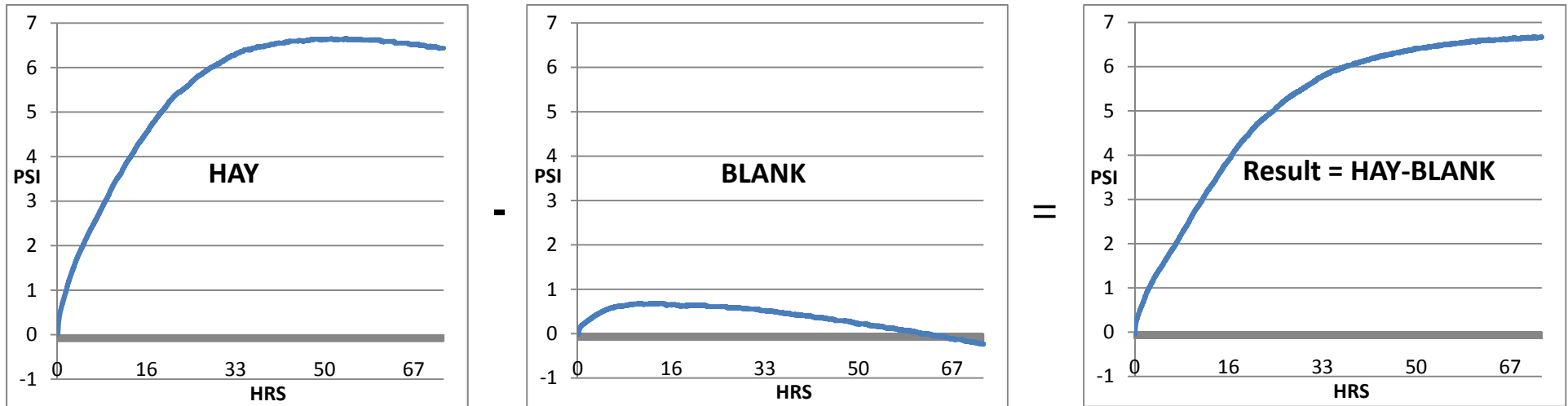
2. Run a BLANK (buffer and inoculum, but NO sample) with every study.

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.



3. 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 detailed in Service Procedure 124 found at www.ankom.com under Technical Support.