



BIOSOLIDS VIRUS SAMPLE: Sample Volume and Total Solids % Impact on Results Reporting

Assume that there is approximately 1 gram Total Solids per each 1% Total Solids Reported
 Assume that we are trying to show Class A Biosolids based on analysis of 4 Dry Weight grams of sample
 BioVir prefers to receive at least 8 grams Dry Weight of sample for every Class A virus sample. This enables us to repeat the test if the first attempt is toxic to our cell line.

Volume Sent By Client		Sample Contains %TS		Approx.Number of Dry Weight Grams in Sample	Analytical result will show	Comment
100 mL	if	0.50%	then	0.5	PFU / 100 mL	Not enough solids to reports as Class A 0.5% Soids would require 800 mL MINIMUM
100 mL	if	1%	then	1	PFU / 100 mL	Not enough solids to reports as Class A 1% Solids would require 400 mL MINIMUM
100 mL	if	5%	then	5	PFU / 4 g	Barely enough sample to report as Class A No repeat sample will be available
100 g	if	10%	then	10	PFU / 4 g	Enough sample to report as Class A plus option to repeat test.
200 g	if	1%	then	2	PFU / 100 mL	Not enough solids to reports as Class A 1% Solids would require 400 gram MINIMUM
200 g	if	5%	then	10	PFU / 4 g	Enough sample to report as Class A plus option to repeat test.
400 g	if	1%	then	4	PFU / 4 g	Barely enough smaple to report as Class A No repeat sample will be available
400 g	if	2%	then	8	PFU / 4 g	Enough smaple to reort as Class A plus option to repeat test.

NOTE: PLEASE SEE ASSUMPTIONS ABOVE REGARDING % TOTAL SOLIDS IN A LIQUID SAMPLE. IT IS HIGHLY RECOMMENDED THAT THE SAMPLER PROVIDE AMPLE SAMPLE VOLUME IN ORDER TO ENSURE THAT ERROR IN THE ASSUMPTIONS DOES NOT AFFECT THE RESULTS REPORTING.