

PROVIDING KEY SERVICES

In today's market, you demand quality so that you can deliver a premium product for value-added or specialized markets. Knowing the quality, including the varietal purity level means that you can sell your grain for a premium. And in a tough competitive market every advantage puts you one step ahead.

BioVision Seed Labs is an ISO 9001:2000 registered agricultural seed and grain testing laboratory. We have the largest portfolio of services of any private seed and grain laboratory in Canada. We are the only private laboratory in Canada to offer our clients varietal identification and purity services. We exist to deliver excellence and accuracy in all testing services.

BioVision employs the latest technology including:

- IEF (IsoElectric Focusing)
- HPLC (High Performance Liquid Chromatography)
- Acid PAGE (Polyacrylamide Gel Electrophoresis)
- DNA
- ELISA

We offer a wide-range of services including:

- Varietal Identification
- Varietal Purity
- Falling Number
- Vomitoxin testing
- Ochratoxin A
- GMO
- Chlorophyll
- Grain Grading
- Malt Barley Germination
- Protein

BioVision works with you to provide the key services that will make a difference to your bottom line. We serve up results that matter.



SEED AND GRAIN TESTING SERVICES

Test Name	Crop Type	Sample Size
Varietal Identification/Purity*		
Acid Page Electrophoresis	(Cereals)	Minimum 50 Seeds Tested
IEF	(Cereals)	Minimum 50 Seeds Tested
HPLC	(2-row Malt Barley)	Bulk Sample Tested
DNA	(Barley)	Minimum 12 Seeds Tested
Falling Number		
Hagberg Method	(Cereals)	Minimum 250 grams
Vomitoxin Testing		
ELISA Method	(Cereals/Corn)	Minimum 250 grams
Ochratoxin		
CD-Elisa	(Cereals/Corn)	Minimum 250 grams
GMO		
ELISA	(Corn/Canola)	Minimum 250 grams
PCR	(Corn/Canola)	Minimum 250 grams
Chlorophyll		
Spectroscopy	(Canola)	Minimum 100 grams
Grain Grading	(Cereals)	Minimum 500 grams
Malt Barley Germination		
4mL	(Barley)	Minimum 250 grams
8mL	(Barley)	Minimum 250 grams
Protein		Minimum 250 grams

Call for pricing information or if you have requirements that are not listed.

SAMPLE INFORMATION

In order for BioVision to complete the tests efficiently and correctly, the samples MUST be nominated for a certain variety when they are submitted and at least one of the offered tests must be chosen. This information will ensure that no unnecessary work will be done and no unnecessary costs will be charged to the client. All results are completely confidential and will not be released to a third party without the written consent of the client.

**Please note that clients must adhere to Plant Breeders' Rights when it comes to the use of a variety name and the associated property. BioVision supports PBR and assumes no liability in this area.*



WHY SHOULD I TEST?

Meeting the quality requirements for commodity or specialty contracts means that you can gain the premiums and long-term supply relationships with your customers. We can help you with your quality assurance needs to ensure that the product you are managing meets your quality specifications.

WHAT IS THE DIFFERENCE BETWEEN VARIETAL IDENTIFICATION AND VARIETAL PURITY?

Varietal identification is the analysis of a sample for the presence of a single variety. This test is commonly used when a client is unsure of the variety of the sample or when only a single variety is of interest.

Varietal purity is the percentage breakdown of a sample by variety. This can be extremely important when you are looking for a particular combination or blend of varieties in your product. The test is typically run on a minimum of 50 seeds but the statistical accuracy of the test increases with a larger sample size.

Each variety has its own unique fingerprint that can be analysed using molecular methods. Some varieties are more difficult to distinguish and may require a combination of tests to properly identify.



EDMONTON

7225 B Roper Road
Edmonton, AB
T6B 3J4

Toll Free: 1-800-952-5407
Phone: (780) 436-8822
Fax: (780) 437-6875
E-mail: biovision@biovision.ca

GRANDE PRAIRIE

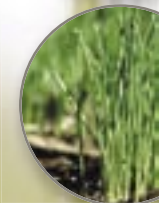
12803-100 St.
Grande Prairie, AB
T8V 4H3

Toll Free: 1-800-532-8889
Phone: (780) 532-8890
Fax: (780) 513-0115
E-mail: biovisiongp@biovision.ca

www.biovision.ca



*Serving up
Results.*



SEED AND GRAIN TESTING SERVICES

ISO 9001:2000 registered