

Biosafety Clearing-House (BCH)

LABORATORY FOR DETECTION AND IDENTIFICATION OF LMOS (LAB)

BCH-LAB-SCBD-250597-1

LAST UPDATED: 30 OCT 2019

General information

Laboratory name and coordinates

LABORATORY FOR GMO DETECTION OF THE NATIONAL COORDINATION BIOSAFETY CENTRE, INSTITUTE OF GENETICS AND CYTOLOGY NAS OF BELARUS (LDGMO NCBC, IGC NAS BELARUS) [BCH-ORG-SCBD-115245-1](#) |

Academic or research institute

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Services and activities performed

Field testing

Development of standard methods

Validation of third parties' results and methods

Capacity-building or training

Accreditations and certifications of the laboratory

ISO/IEC 17025

EN

Types of detection/identification method(s) available for use in the laboratory

DNA-based

Quantitative PCR (qPCR)

Qualitative PCR (end-point PCR)

DNA sequencing

Types of LMOs

Animals

Fungi

Plants

LMO(s) detectable by the laboratory

BCH-LMO-SCBD-14796-14 | MON-Ø4Ø32-6 - Roundup Ready™ soybean | Monsanto | Resistance to herbicides (Glyphosate)
[Show detection method\(s\)](#)

BCH-LMO-SCBD-14857-8 | ACS-GMØØ6-4 - Liberty Link™ soybean | Resistance to herbicides - Glufosinate
[Show detection method\(s\)](#)

BCH-LMO-SCBD-40284-18 | MON-89788-1 - Roundup Ready2Yield™ soybean | Monsanto | Resistance to herbicides (Glyphosate)
[Show detection method\(s\)](#)

BCH-LMO-SCBD-100994-7 | BPS-CV127-9 - Herbicide-tolerant soybean | BASF S.A. Resistance to herbicides - Imidazolinone, Sulfonylurea

BCH-LMO-SCBD-103079-11 | MON-877Ø1-2 - Insect resistant soybean | Resistance to diseases and pests - Insects - Lepidoptera (butterflies and moths)
[Show detection method\(s\)](#)

BCH-LMO-SCBD-105619-1 | SYN-ØØØH2-5 - Soy modified for tolerance to Mesotrione and Glufosinate | Bayer CropScience LP | Resistance to herbicides (Glufosinate), Resistance to Mesotrione

BCH-LMO-SCBD-104794-2 | MST-FGØ72-2 - Soy modified for tolerance to glyphosate and HPPD inhibitors | Bayer CropScience LP | HPPD Herbicides, Resistance to herbicides (Glyphosate)
[Show detection method\(s\)](#)

BCH-LMO-SCBD-101450-11 | MON-877Ø1-2 x MON-89788-1 - Intacta™ Roundup Ready™ 2 Pro soybean | Resistance to diseases and pests - Insects - Lepidoptera (butterflies and moths)
Resistance to herbicides - Glyphosate
[Show detection method\(s\)](#)

BCH-LMO-SCBD-14764-9 | ACS-GMØØ5-3 - Herbicide-tolerant soybean | Resistance to herbicides - Glufosinate
[Show detection method\(s\)](#)

BCH-LMO-SCBD-14750-19 | MON-ØØ81Ø-6 - YieldGard™ maize | Resistance to diseases and pests - Insects - Lepidoptera (butterflies and moths)
[Show detection method\(s\)](#)

BCH-LMO-SCBD-14776-17 | MON-ØØ6Ø3-6 - Roundup Ready™ maize | Resistance to herbicides - Glyphosate
[Show detection method\(s\)](#)

BCH-LMO-SCBD-14794-18 | MON-ØØØ21-9 - Roundup Ready™ maize | Resistance to herbicides - Glyphosate
[Show detection method\(s\)](#)

BCH-LMO-SCBD-14767-14 | ACS-ZMØØ3-2 - Liberty Link™ maize | Resistance to antibiotics - Ampicillin Resistance to herbicides - Glufosinate
[Show detection method\(s\)](#)

BCH-LMO-SCBD-14797-15 | SYN-BT011-1 - YieldGard™ maize | Resistance to diseases and pests - Insects - Lepidoptera (butterflies and moths) Resistance to herbicides - Glufosinate
[Show detection method\(s\)](#)

BCH-LMO-SCBD-15106-10 | MON-88017-3 - YieldGard™ VT™ Rootworm/RR2™ Maize | Resistance to diseases and pests - Insects - Coleoptera (beetles) Resistance to herbicides - Glyphosate
[Show detection method\(s\)](#)

BCH-LMO-SCBD-15105-12 | SYN-IR604-5 - Agrisure™ RW Rootworm-Protected maize | Mannose tolerance Resistance to diseases and pests - Insects - Coleoptera (beetles) - Western corn rootworm (*Diabrotica virgifera*) Selectable marker genes and reporter genes
[Show detection method\(s\)](#)

BCH-LMO-SCBD-15109-9 | SYN-E3272-5 - Enogen™ Maize | Mannose tolerance Selectable marker genes and reporter genes Thermostable alpha-amylase Use in industrial applications - Biofuel production
[Show detection method\(s\)](#)

BCH-LMO-SCBD-100885-13 | SYN-IR162-4 - Agrisure™ Viptera maize | Syngenta Crop Protection AG | Resistance to diseases and pests (Insects, Lepidoptera (butterflies and moths))
[Show detection method\(s\)](#)

BCH-LMO-SCBD-43773-18 | MON-89034-3 - YieldGard™ VT Pro™ | Resistance to diseases and pests - Insects - Lepidoptera (butterflies and moths)
[Show detection method\(s\)](#)

BCH-LMO-SCBD-104791-4 | SYN-05307-1 - Agrisure® Duracade™ Maize | Syngenta Crop Protection AG | Resistance to diseases and pests (Insects, Coleoptera (beetles), Western corn rootworm (*Diabrotica virgifera*), Northern corn rootworm (*Diabrotica barberi*))

BCH-LMO-SCBD-104683-5 | MON-87705-6 - Vistive Gold™ Soybean | Changes in quality and/or metabolite content - Lipid and fatty acids Resistance to herbicides - Glyphosate
[Show detection method\(s\)](#)

BCH-LMO-SCBD-49073-9 | DP-305423-1 - TREUS™ Plenish™ Soybean | Pioneer Hi-Bred Production Inc. | Changes in quality and/or metabolite content (Lipid and fatty acids), Resistance to herbicides (Sulfonylurea)
[Show detection method\(s\)](#)

BCH-LMO-SCBD-48967-9 | DP-356043-5 - Optimum™ GAT™ soybean | Resistance to herbicides (Glyphosate, Sulfonylurea)
[Show detection method\(s\)](#)

Genetic element(s) detectable by the laboratory

BCH-GENE-SCBD-100287-7 GENETIC ELEMENT | CAMV 35S PROMOTER |
Promoter

[BCH-GENE-SCBD-100269-8](#) GENETIC ELEMENT | NOPALINE SYNTHASE GENE TERMINATOR | Terminator

[BCH-GENE-SCBD-14972-12](#) GENETIC ELEMENT | PHOSPHINOTHRICIN N-ACETYLTRANSFERASE GENE | Protein coding sequence | Resistance to herbicides (Glufosinate)

[BCH-GENE-SCBD-14979-7](#) GENETIC ELEMENT | 5-ENOLPYRUVYLSHIKIMATE-3-PHOSPHATE SYNTHASE GENE | Protein coding sequence | Resistance to herbicides (Glyphosate)

[BCH-GENE-SCBD-101507-5](#) GENETIC ELEMENT | FMV 34S PROMOTER | Promoter

[BCH-GENE-SCBD-103851-5](#) GENETIC ELEMENT | RBCS PROMOTER | (THALE CRESS) | Promoter

[BCH-GENE-SCBD-101877-5](#) GENETIC ELEMENT | RBCS-E9 GENE TERMINATOR | (GARDEN PEA) | Terminator

[BCH-LAB-SCBD-250597-1](#)

Further Information

Questions about the Cartagena Protocol on Biosafety or the operation of the Biosafety Clearing-House may be directed to the Secretariat of the Convention on Biological Diversity.

**Secretariat of the Convention
on Biological Diversity**

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