

Biosafety Clearing-House (BCH)

LIVING MODIFIED ORGANISM (LMO)


BCH-LMO-SCBD-109373-1

[? Decisions on the LMO ? Risk Assessments](#)

LAST UPDATED: 25 NOV 2015

Living Modified Organism identity


The image below identifies the LMO through its unique identifier, trade name and a link to this page of the BCH. Click on it to download a larger image on your computer. For help on how to use it go to the LMO quick-links page.



Potato modified for increased starch content

Read barcode or type above URL into internet browser to access information on this LMO in the Biosafety Clearing-House © SCBD 2012

<https://bch.cbd.int/database/record?documentID=109373>



Name

Potato modified for increased starch content

EN

Transformation event

p35S-GPT2-NOS

Developer(s)

- [ORGANIZATION](#): INSTITUTO DE AGROBIOTECNOLOGÍA | [BCH-CON-SCBD-109372-1](#)

ORGANIZATION

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Description

Potato was genetically modified to over express the glucose-6-phosphate translocator leading to an increase in starch content in potato tubers.

EN

Recipient Organism or Parental Organisms

The term "Recipient organism" refers to an organism (either already modified or non-modified) that was subjected to genetic modification, whereas "Parental organisms" refers to those that were involved in cross

breeding or cell fusion.

[BCH-ORGA-SCBD-12106-6](#) ORGANISM | SOLANUM TUBEROSUM (POTATO, SOLTU) |
Crops

Point of collection or acquisition of the recipient organism or parental organisms

Cultivar: Desirée

EN

Characteristics of the modification process

Vector

p35S-GPT2-NOS

EN

Techniques used for the modification

Agrobacterium-mediated DNA transfer

Introduced or modified genetic element(s)

Some of these genetic elements may be present as fragments or truncated forms. Please see notes below, where applicable.

[BCH-GENE-SCBD-100287-7](#) CAMV 35S PROMOTER |
Promoter

[BCH-GENE-SCBD-109371-1](#) GLUCOSE 6 PHOSPHATE TRANSLOCATOR CODING SEQUENCE | (POTATO) |
Protein coding sequence | Changes in quality and/or metabolite content (Carbohydrates)

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

[BCH-GENE-SCBD-15001-5](#) NEOMYCIN PHOSPHOTRANSFERASE II | (BACTERIA) |
Protein coding sequence | Resistance to antibiotics (Kanamycin)

LMO characteristics

Modified traits

Resistance to antibiotics
Kanamycin

Changes in quality and/or metabolite content
Carbohydrates

Common use(s) of the LMO

Food

[BCH-LMO-SCBD-109373-1](#)

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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