



Point discussed 13/6/19

TEST material – WHAT/SOURCE

- Definitions (test/control materials and diets)
- Herbicide treated material (HT GMOs)
- Test material source
 - Ideally from comparative analysis field trials
 - Justification and comprehensive information on ad hoc studies

Input from Europabio welcome

- On the feasibility (e.g. storage, stability and yield aspects) to use test material from the field trials material supporting the comparative assessment as indicated in EFSA (2014)
- On the possible justifications on the representativeness of the material used in case this is obtained from ad hoc studies



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TEST material - characterization

→checklist (IR 503/2013; OECD GDs; EFSA GDs)

Input from Europabio welcome

 On the need for a proper characterisation of the test (and control) material (e.g. transformation event/newly expressed protein, purity or absence of other GM events, diet composition, contaminants and integrity of the diet)



The "journey" of a 90-day study





1. Check for adherence to "regulatory provisions"

2. Assessment of the study

GMO Unit

 with possible support of the contractor

GMO Unit & Panel

Check of a 90-day feeding study with GM crop covers adherence to:

- Regulation (EU) 503/2013
- OECD Test Guideline No 408
- OECD Principles on Good Laboratory Practice
- EFSA Scientific Committee (2011) Guidance on conducting repeated-dose 90-day oral toxicity study in rodents on whole food/feed for GMO risk assessment
- Explanatory statement for EFSA SC (2011) applicability (EFSA, 2014)



The "checklist" of a 90-day study



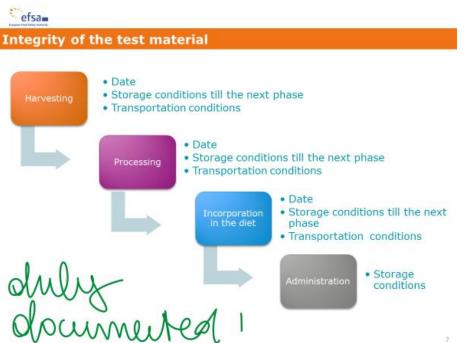


- 1. General info on the 90-day feeding study
- 2. Regulatory references declared in the study report:
 - GLP Standards
 - OECD Guidelines
 - EFSA Guidelines
- 3. Objective of the study (scenario 1 or 2)
- 4. Test/controls item characterisation
- 5. Test/controls diet characterisation
- 6. Info from source material to diet administration to rat
- 7. Test system
- 8. Study parameters
- 9. Check of statistical design of the study



Info from source material to diet administration to rat

Description	Endpoints
From source material to inclusion of test/control item in the diets and administration to animals	 ✓ date of harvesting of the starting material ✓ date of analysis on the starting material, if applicable ✓ date of processing of the starting materials into test item and description of processing phases, if applicable ✓ date of analysis on test item, if applicable ✓ date of incorporation of the test item in animals diets (description of processing phases) ✓ date of initiation and termination of administration of the diet ✓ list of the studies supporting these steps, as indicated in the study report ✓ handling, sampling, storage and transportation conditions documented for all the phases, as indicated in the study report





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90-day studies on GM maize

 The 50% inclusion rate should be considered when planning new 90-day feeding studies with maize.

Input from Europabio welcome

 On the feasibility and possible implementation for future 90-day studies to test diet incorporating 50% maize as reported by Steinberg et al. (2019).



Mann you Chreatians