		61) Description			
ISA Section L	abel	Class	Datatype	Ontology source h	as units (ontology	Description	In vivo	In vitro	Ex vivo
Investigation									
Study Descripti									
	tudy Identifier		Unique ID				Х	Х	Х
	tudy Title		String				Х	Х	Х
	tudy Description		String				X	Х	Х
	tudy Grant Number		String				X	Х	Х
S	tudy Funding Agency		String				X	Х	Х
Study Design D									
	tudy Design Type		Ontology	EFO			X	Х	Х
Study Publicati									
F	ubmed ID		string				Χ	X	Х
P	ublication DOI		string				X	Х	Х
A	uthor list		string				X	Х	X
P	ublication title		string				X	Х	Х
P	ublication status		string				X	Х	Х
Study Contacts									
L	ast name		string				Χ	X	Х
F	irst name		string				X	Х	Х
N	Aiddle Initials		string				Х	Х	Х
E	mail		string				X	Х	Х
P	hone		string				X	Х	Х
F	ax		string				X	Х	Х
A	ddress		string				Х	Х	Х
A	ffiliation		string				Х	Х	Х
F	ole		string				Х	Х	Х
C	RCID		string				Х	Х	Х
Study									
Animal details									
						Provide taxonomic information associated to the source			
C	Organism	Characteristic	Ontology			biological material. This should be included as an	Х	X	Х
				NCBI Taxonomy		NCBI_TAXON ID unless not found within NCBI.			
_						Provide strain information associated to the source	.,		.,
S	train	Characteristic	Ontology	Rat Strain Ontology (RS); EFO		biological material.	Х		Х
C	Organism supplier	Characteristic				Provide the name of the vendor for the organism	Х		Х
C	ell line	Characteristic	Ontology	Cell Culture Ontology (CCONT)				Х	
_						Sex of the study organism. Must be one of the following:			
S	ex	Characteristic	Ontology	EFO		FEMALE, MALE	Х		Х
_						Age of the organism at the time the first dose was			
S	tudy start age	Parameter	Number		Y (EFO)	administered.	Х		Х
_						Age of the organism when the terminal sample was			
S	tudy end age	Parameter	Number		Y (EFO)	collected.	Х		Х
Housing condit	ions								
	verage Vivarium Temperature	Parameter	Number		Y (EFO)	Average vivarium temperature during the study	X		Х
	verage Vivarium Humidity	Parameter	Number		Y (EFO)	Average vivarium humidity during the study	Х		х
	-					Vivarium light cycle for the study period defined as			
\	ivarium Light Cycle	Parameter	String			light:dark formatted as number:number (e.g. 12:12,	Х		х
	5 ,					03:21,)			
C	age Type	Parameter	String			Define the type of caging used for the study period	х		х
	edding Type	Parameter	String			Define the type of bedding used for the study period	X		X
	Vater Type	Parameter	String			Define the water source for the study period	X		X
Diet exposure	,,,					,,,,			
	eed Name	Factor	String			Descriptive name of the diet	Х		Х
						Description of feed including, but not limited to,			
F	eed description	Parameter	String			macronutrient composition	Х		Х
F	eed source	Parameter	String			Vendor of the feed tested if commercially available	Х		х
	eed catalog number	Parameter	String			Catalog number of the feed if commercially available.	^		^
Substance exp	-	. drameter	30. mg			and the feed it commercially available.			
	ubstance Name	Factor	String			Descriptive name of the toxic substance or mixture			
	abstance Nume	i detoi	Julia			Identifier(s) of the toxic substance. For a list of			
	ubstance	Characteristic	Ontology			substances in a mixture use a semi-colon (;) between	х	х	х
3	ubstance	CHAI ACCETISTIC	Jittology	CHEBI; FOODON		identifier.	^	^	^
				CILDI, FOODON		Name of the vehicle compound used to deliver the toxic			
\	ehicle Substance	Characteristic	Ontology	CHEBI		substance or mixture.	Х	Х	Х
				CHEDI		Substance of mixture.			
,	dministration Interval	Parameter	Number			Amount of time between subsequent doses when	х	х	х
,	anning auton miterval	raianietei	Number		Y (EFO)	multiple doses are administered over a period of time.	^	Α.	^
					1 (210)	The number of doses administered when multiple doses			
1	lumber of Administrations	Parameter	Number			are given over a period of time.	Х	Х	Х
						are given over a period or time.			

	Administration Route	Parameter	String			The delivery mechanism for the toxicant tested. Must be one of the following: GAVAGE,INTRAPERITONEAL,RETRO-ORBITAL,TAIL VEIN	х	x	х
					V (550)	INJECTION,DIET,WATER,DOUGH PILL	.,	.,	.,
	Administration volume	Parameter	Number		Y (EFO)	The volume in which the substance was administered	Х	Х	Х
	Dose	Factor	Number		Y (EFO)	Dose of the toxic substance	Х	concentrati	Х
	Chemical Source	Parameter	String			Vendor of the toxic substance tested if commercially available	х	х	Х
	Chemical Catalog Number	Parameter	String			Catalog number of the toxicant if commercially available.	х	Х	х
	Chemical Purity	Parameter	String; Attachment			Chemical purity of the toxic substance. A sample information sheet from the vendor can be attached.	х	х	Х
Exposure de	tails								
	Time-point	Factor	Number		Y (EFO)	Terminal time-point.	Х	X	Х
Termination	Conditions								
	ad lib feeding	Parameter	Number			Yes or No	Х		Х
	Euthanasia method	Parameter	String	NCIT		Method used for euthanasia.	Х		Х
Cell Culture	Conditions (in progress)		•						
	Incubation temperature							Х	Х
	Gas composition							х	х
	Humidity							X	X
	Humidity Unit							x	X
	Culture dish type							Х	Х