



ETYCA

REACH SERVICES - CATALOGUE



etyca
Research

ETYCA | Solutions for Research Services

ETYCA was born in 2004 like a scientific organization which made his work principally in Public Health and Environment, for later develop the Health Monitoring in laboratory animals and acquire the capacity of provide preclinical studies in several experimental models.

Assays

- Physico-Chemical Analysis
- Toxicological Assays
- Ecotoxicological Assays

Research Projects & Scientific Support Services

ETYCA has been doing support in testing and analysis, as well as scientific research projects.

Quality Assurance

All studies are conducted according to current international quality standards.

Facilities

Our facilities include technologic and modern laboratories for *in vivo* & *in vitro* assays.

Staff

Qualified staff in research carries out the experimental assays with biological, chemical and veterinary practices.

1 REACH testing services

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2 1-10 Tonnes / year

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3 10-100 Tonnes / year

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4 100-1000 Tn /year

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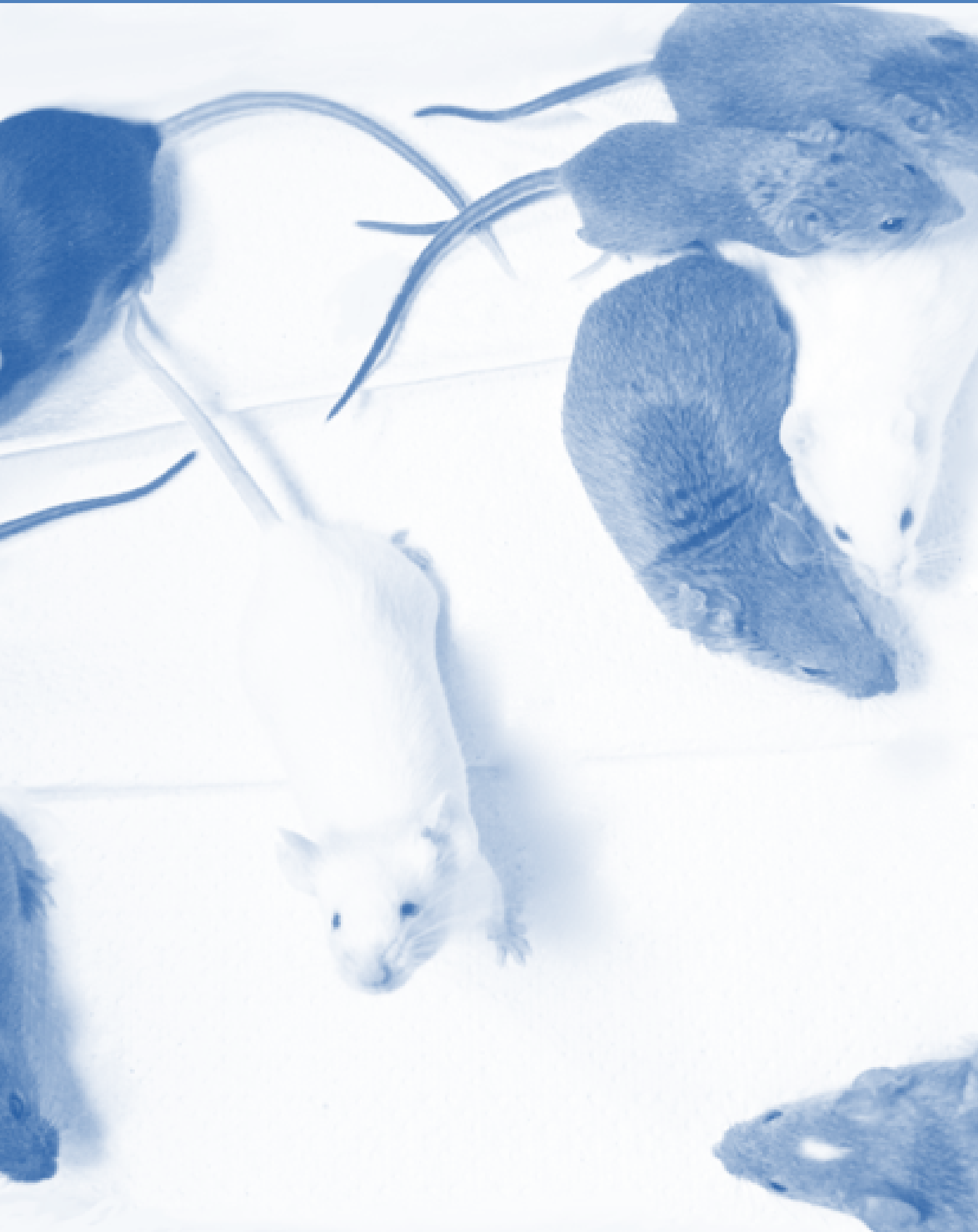
5 >1.000 Tn / year

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6 6-pack test & more

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REACH testing services



ETYCA develop physico-chemical, toxicological and ecotoxicological assays in accordance with **EC 1907/2006**, of Registration, Evaluation, Authorization, and Restriction of Chemical substances (REACH).

All studies are conducted according to current international quality standards.

The following tests are based on general requirements as defined under the REACH guideline. The testing strategies can be further re-defined and adapted depending in existing or newly generated information.

This catalogue is designed to give an overview of services offered. Please note prices may vary depending on the substance, matrix and analytics required. Please specify for concise proposal.

For more information contact with us in: etyca@etyca.net

Code	Test	Guideline
0.1	Analytical work Implementation/development of analytical methods	SOP ER001

This test is required to plan and develop each individual test protocol for the product, but ETYCA perform discount groups according contracts signed. The extra services will be confirmed with the costumer.

Code	Test	Guideline
0.2	Quality Evaluation	SOP SE043

ETYCA perform discount groups according contracts signed.

Contact us: **ETYCA RESEARCH**
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Annex VII, 1 – 10 tonnes/year

Physico-Chemical Properties				
Code	Test	Guideline	Reporting time	Price (€)
-	UV/VIS-, IR- and NMR spectrum	OECD 101	-	On request
7.2	Melting or freezing point	OECD 102 A1	-	On request
7.3	Boiling point	OECD 103 A2	-	On request
7.4	Relative density	OECD 101 A3	-	On request
7.5	Vapour pressure	OECD 104 A4	-	On request
7.6	Surface tension	A5	-	On request
7.7	Water solubility	OECD 105 A6	-	On request
7.8	partition coefficient n-octanol/water	OECD 107/117 A8	-	On request
7.9	Flash-point	A9	-	On request
7.10	Flammability	A10	-	On request
7.11	Explosive properties	A14	-	On request
7.12	Self-ignition temperature	A16/A15	-	On request
7.13	Oxidising properties	A17 + A21	-	On request
7.14	Granulometry	OECD 110	-	On request

Toxicological information				
Code	Test	Guideline	Reporting time	Price (€)
8.1	Skin corrosion (in vitro)	OECD 431 B4 bis	4-8 weeks	On request
8.2	Eye irritation and corrosion (in vitro)	BCOPT B5 bis	4 weeks	On request
8.3	Skin sensitization (in vivo, LLNA test)	OECD 429 B6	6-8 weeks	On request
8.4	Ames-Test (in vitro)	OECD 471 B13/B14	2-6 weeks	On request
8.5.1	Acute toxicity by oral rat, LD50	OECD 423 B1	-	On request

Ecotoxicological information				
Code	Test	Guideline	Reporting time	Price (€)
9.1.1	Acute toxicity to Daphnia	OECD 202 C2	2 months	On request
9.1.2	Algae growth inhibition	OECD 201 C3	2 months	On request
9.2.1	Ready biodegradability	OECD 301 C4d	6 weeks	On request

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Annex VIII, 10 - 100 tonnes/year (in addition)

Toxicological information				
Code	Test	Guideline	Reporting time	Price (€)
8.1	Skin irritation (in vivo)	OECD 404 B4	4-6 weeks	On request
8.2	Eye irritation (in vivo)	OECD 405 B5	4-6 weeks	On request
8.4.2	Chromosomal aberration test (in vitro)	OECD 473 B10	3 months	On request
8.4.3	Mouse lymphoma assay (in vitro) with mammalian cells	OECD 476 B17	4 months	On request
8.5.3	Acute toxicity by dermal route	OECD 402 B3	4-6 weeks	On request
8.6.1	Short-term repeated dose toxicity (28 days)	OECD 407 B7	4-5 months	On request
8.7.1	Reproductive / developmental toxicity screening	OECD 421 B31/B34	4-5 months	On request
-	Toxicokinetics	OECD 417 B36	-	On request

Ecotoxicological information				
Code	Test	Guideline	Reporting time	Price (€)
9.1.3	Short-term toxicity to fish	OECD 203 C1	2 months	On request
9.1.4	Activated sludge respiration inhibition	OECD 209 C11	4-6 weeks	On request
9.2.2.1	Hydrolysis as function of pH	EC 92/69 C7	4-10 weeks	On request
9.3.1	Adsorption/Desorption	OECD 121 C18	4-5 months	On request

Annex IX, 100 – 1.000 tonnes/year (in addition)

At the level of this annex the registrant must submit a testing proposal for fulfilling the requirements.

Physico-Chemical Properties				
Code	Test	Guideline	Reporting time	Price (€)
-	Stability in organic solvents	-	-	On request
-	Dissociation constant in water	OECD 112 UV method	-	On request
-	Viscosity	OECD 114	-	On request

Toxicological information				
Code	Test	Guideline	Reporting time	Price (€)
8.6.2	Sub-Chronic toxicity (90 days), oral	OECD 408 B26	7-8 months	On request
8.7.2	Pre-natal development toxicity, oral	OECD 414 B31/B34	6 months	On request
8.7.3	Two-generation reproductive toxicity, oral	OECD 416 B35	13 months	On request

Ecotoxicological information				
Code	Test	Guideline	Reporting time	Price (€)
9.1.5	Long-term toxicity to Daphnia	OECD 211 C2	3-4 months	On request
9.1.6	Long-term toxicity for fish	OECD 204	3-4 months	On request
9.1.6.1	Fish early-life stage toxicity (FELS)	OECD 210 CX1		On request
9.1.6.2	Short-term toxicity on fish embryo and sac-fry stages	OECD 212 C15		On request
9.1.6.3	Fish juvenile growth	OECD 215 C14		On request
9.2.1.2	Degradation – superficial water	OECD 308 CX3	>7 months	On request
9.2.1.3	Degradation – soil simulation	OECD 307 CX2	>7 months	On request
9.2.1.4	Degradation – sediment simulation	OECD 308/309	>7 months	On request
9.2.3	Identification of degradation products	-	-	On request
9.3.2	Bioaccumulation in fish	OECD 305 CX4	4-5 months	On request
9.3.3	Adsorption/Desorption (extra)	OECD 106	-	On request
9.4.1	Short-term toxicity to invertebrates	OECD 207 C8	-	On request
9.4.2	Effect in soil microorganisms	OECD 216/217 CX5	2-3 months	On request
9.4.3	Short-term toxicity to plants	OECD 208 CX6	2 months	On request

The tests that have been listed under Annex VII to IX are considered to be standard requirements. For Annexes IX and X only testing proposals have to be submitted to the European Chemicals Agency (ECHA). Further tests might be required depending on information available or generated. In particular, for Annex X there are no defined standard test packages.

Annex IX, 100 – 1.000 tonnes/year (in addition)

Physico-Chemical properties				
Code	Test	Guideline	Reporting time	Price (€)
-	Stability in organic solvents and identity of relevant degradation products	-	-	On request
-	Dissociation constant in water	OECD 112	-	On request
-	Viscosity	OECD 114	-	On request

Toxicological information				
Code	Test	Guideline	Reporting time	Price (€)
8.7	Pre-natal development – oral	OECD 414 B31/34	Apx.6 months	On request
8.7	Chronic toxicity (>12 months)	OECD 452 B30	>13 months	On request
8.4.3/8 .9.1	Long-term repeated toxicity (>12months)/Carcinogenicity	OECD 453 B33	>13 months	On request

Ecotoxicological information				
Code	Test	Guideline	Reporting time	Price (€)
9.2.1	Simulation of biotic degradation	OECD 307/308 CX3	>7 months	On request
9.4.4	Long-term toxicity to Daphnia	OECD 211 C2, CX7	3-4 months	On request
9.4.4	Long-term toxicity for fish	OECD 204	-	On request
9.4.6	Long-term toxicity on plants	OECD 208+ CX6	-	On request
9.5.1	Long-term toxicity to sediment organisms	OECD 218/219 CX8	3-4 months	On request
9.6.1	Long-term toxicity to birds / reproductive test	OECD 205 CX9	-	On request

6-pack & additional tests



Six-pack test: this profile is conducting six trials together to evaluate toxicity in several ways.

6-pack profile

Code	Test	Guideline	Reporting time	Price (€)
8.5.1	Acute toxicity by oral rat, LD50	OECD 423 B1	-	On request
8.5.3	Acute toxicity by dermal route	OECD 402 B3	4-6 weeks	On request
8.5.2	Acute toxicity by or inhalative route	OECD 403	-	On request
8.1	Skin corrosion (in vitro)	OECD 431 B4 bis	4-8 weeks	On request
8.2	Eye irritation and corrosion (in vitro)	BCOPt B5 bis	4 weeks	On request
8.3	Skin sensitization (in vivo, LLNA test)	OECD 429 B6	6-8 weeks	On request
Basic price 6-pack assay				On request

Other test

Code	Test	Guideline	Reporting time	Price (€)
-	Fototoxicity (in vitro)	B41	-	On request
8.4	Somatic cell genotoxicity (in vivo) Micronucleus test	OECD 474	-	On request
-	Chromosome aberration in spermatogonia	OECD 483	-	On request
-	UDS with mammalian liver cells	OECD 486	-	On request
8.5.2	Acute toxicity by or inhalative route	OECD 403	-	On request
8.6.1	Short-term repeated dose toxicity (28 days), dermal	OECD 410	-	On request
8.6.2	Sub-Chronic toxicity (90 days) – dermal	OECD 424	-	On request
8.4.4.	Further studies, (e.g. neurotoxicity, immunotoxicity)	B43	-	On request
8.7.3	Two-generation reproductive toxicity in second species – oral	-	-	On request
9.1.4	Nitrification inhibition	ISO 9509	-	On request
9.1.5	Earthworm reproduction test	OECD 222	-	On request
-	Transformation/Dissolution Test, T/D test	OECD 29	3-6 months	On request



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