



SAFE

SCIENTIFIC ANIMAL FOOD & ENGINEERING

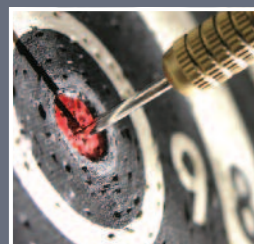
CUSTOM DIETS

The Tailored Diet Service





With more than 55 years of solid experience, SAFE, is a world leader specialised in laboratory animal diets for the pharmaceutical industry and is present right across the board in the professional world of research. SAFE is an independent French company and actively engaged on all five continents. To complete its classic range of products, SAFE offers you a special service geared to your own Custom Diets requirements.



The team and its specially-designated units

The Custom diets department prepares upon request the diets necessary to certain protocols, completing the range of the standard SAFE range. These tailor-made diets are produced in a specially designated unit: the SAFE Quality Charter also applies to custom diets. This production unit is fitted with scales and mixers adapted to the manufacture of diets. The management of these production systems is computer-assisted. The personnel are designated as the technical support, who will be there to assist you before and after you place the order.



Quality and Traceability

The SAFE Custom Diets department is ISO 9001, ISO 14001 certified and hold a certificate of approval from the veterinary services for the production of medicated diets and containing molecules for Research. The unit also holds specific authorisation for the use of non-viable Genetically Modified vegetal Organisms. The raw materials are regularly certified and controlled. Each programmed production batch is controlled and recorded on a computer data base. A batch number and a Best-Before-End Date (BBED) are printed on the label. A notice sticker is put on the packaging as proof of any irradiation that may have been effected.



Packaging

- Presentation is in powder form, in paste, granules, liquid or gel.
- Packaging is in buckets (1 – 2 – 3 – 5 litres), in jars (100 g) or in bags (1 to 10 kg).
- Packaging suited to the health status of your animal facility.
- Irradiation is possible for products from 10, 25 to 40 kGy. Since most of the Purified Diets cannot be autoclaved, we recommend that they be irradiated. They are vacuum-sealed. SAFE irradiates each quantity bag by bag – the only way to be sure that they receive the same homogeneous dosage.



Deliveries

The lead time from order to delivery is 10 working days. The minimum order is for 10 kg per diet. Above 10 kg, we adapt the production to your needs. You should add an extra 7 working days for a batch that has to be irradiated. We deliver to more than 25 different countries at the present.



R&D, Advice and Confidentiality

The SAFE nutritionists will guide you all the way through the development of your projects. It is possible to sign a confidentiality agreement for all the tasks that you entrust to SAFE. The bibliographical references for using our diets are available on our website at: www.safe-diets.com



Services and Flexibility

- Extra services are available on request in order to adjust your orders to any developments in your protocols:
- supply of raw materials: casein, wheat, lard, AIN premix,... above and beyond the diet per se,
 - sterilisation of certain materials or consumables for your animal facility,
 - the carrying out of chemical, physical and microbiological analyses,
 - this also comes down to amending quantities and dates, wherever that may be possible...

A specific diet for each of your research programmes*

The diets formulated on the basis of SAFE standard diets (A03, A04, 112, etc.) allow you to apply a low and controlled level for certain elements, without necessarily depleting the diet (Potassium, Sodium, Fats, etc.).

They can also be enriched with target nutrients (Iron, Sodium, Potassium, Cholesterol, etc.). These special diets can be easily compared to a standard diet and can even be certified.

To obtain high-level of reduction in elements, the diet has to be reconstituted on the basis of purified raw materials. These purified diets also make it possible to obtain high fat, hypercholesterolizing diets...

The formulae are also customised and it is possible to:

- **enrich the highly reduced diets** by adding targeted materials and by using different sources,
- **incorporate a natural raw material** in a purified diet,
- **offer the feed** in granular, paste, liquid or gel form.

Depending on the protocol, the control formula may be either a Purified Diet or else a standard diet.

* a non exhaustive list is given on the back



Do you have any special needs?

We can put together the diet that best answers your own needs. A Custom Diets team is there to listen to you. According to your needs, we will advise you on the solutions for formulations and the diet presentation format that is best suited to your requirements.

You can contact our scientific adviser at: info@safe-diets.com



1 Reference diets

Generally used in control situations, it may be A03, A04, 210 diets or an A.I.N. formula. The purified diets are poor in chlorophyll and so are especially interesting for the measures in terms of fluorescence and luminescence.

2 High Fat diets, enriched with sugars

These diets induce obesity (D.I.O.), diabetes and the metabolic syndrome. 40% to 60% of the energy is derived from mainly saturated fats (cocoa butter, lard, butter, palm oil, etc.) and the main forms of sugars are sucrose, fructose and glucose.

3 Hypercholesterolizing diets

These diets, inductors of atherosclerosis, are rich in cholesterol and, at times, in dairy butter or cocoa butter. Generally speaking, they are referred to by the term *'Western Diet'*.

4 Diets rich in cellulose

These diets contribute to a state of quick satiety, without taking on any extra calories. In this way, they help in regulating weight and at the same time in reducing the amounts of nutrients ingested.

5 Macronutrient diets: proteins, fats

These diets allow an excess or a deficiency in energy, in proteins. A Purified Diet gives the possibility to go further with the non-lipidic, non-proteinic, hypoproteinic or hyperproteinic formulae.

6 Altered mineral or micronutrient diets

A diet on a standard basis allows reaching a low level in certain micronutrients, without having a deficient diet. With heavily reduced diets, the Purified Diet model is obligatory.

7 Altered vitamin diets

A diet on a standard basis makes possible to reach a low level in certain vitamins (K, A, E, etc.). To obtain diets that are heavily reduced, the Purified Diet model is preferable (folic acid, B2, etc.). For certain reductions in vitamins, the protocol should take in to account reserves stored in the animal tissues.

8 Diets inducing a phenotype

These diets help in expressing models by acting on the genome (Tamoxifen, Doxycycline), on a function or an organ (Cuprizone, Iron carbonyl, Fenofibrate, Statins, Adenine, etc.). The concentrations should be adjusted in consultation with your vet and in line with your own objectives.

9 Diets with your own ingredients

These diets allow to study the effects of some active ingredient (medication, an active substance, a Genetically Modified Organism, BPA, DHA, EPA, etc.) or of some component (isoflavones, aromas, contaminants, vegetal extracts, sterols, oils, minerals, metals, etc.).

10 Medicated diets

These diets are aimed at fighting off an infection (parasitism, bacteria, etc.). SAFE is a pharmaceutically approved company by the French Sanitary Authorities. These productions (ivermectine, etc.), are controlled and are only handed over on receipt of a prescription issued by your veterinary surgeon.

11 Low fluorescence diets

In order to reduce the background noise, the standard formulae for rodents has been designed with materials that have a low chlorophyll content (absence of alfalfa). In the case of fine measures, Purified Diet should be the option.



ISO 9001,
ISO 14001,
HACCP,
GLP and GMP



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Route de Saint Bris 89290, Augy • France
T: +33(0)3 86 53 76 90 • Fax: +33(0)3 86 53 35 96
info@safe-diets.com • www.safe-diets.com

