GATTEFOSSÉ

• PHARMACEUTICALS

Different breeds

different needs

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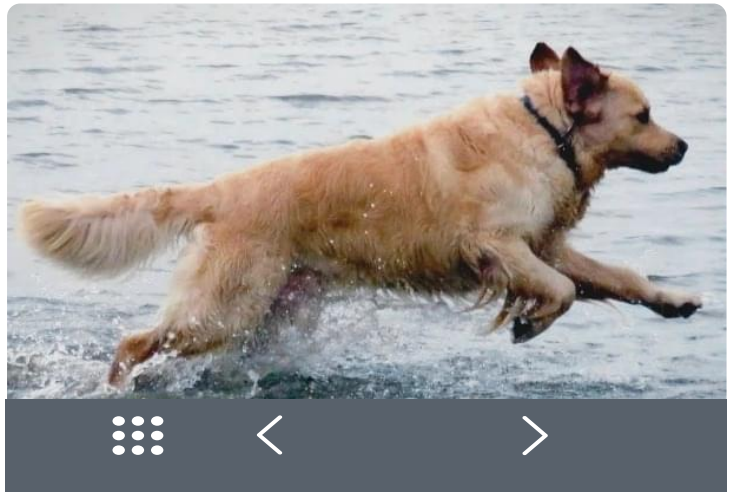
GATTEFOSSÉ

- Partnering with Gattefossé
- All the excipients you need for veterinary medicines
- Injectable drug delivery
- Oral drug delivery
- Skin drug delivery
- Solutions for food-producing animals



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Different breeds, different needs

- Partnering with Gattefossé
- All the excipients you need for veterinary medicines
- Injectable drug delivery
- Oral drug delivery
- Skin drug delivery
- Solutions for food-producing animals
- Solutions for companion animals

Partnering with Gattefossé

Our motto:

Advancing science to improve well-being

Gattefossé is a long-established family-owned company, serving the human and veterinary industries by providing high quality functional excipients and tailor-made support worldwide.

Partnering with Gattefossé

About our company

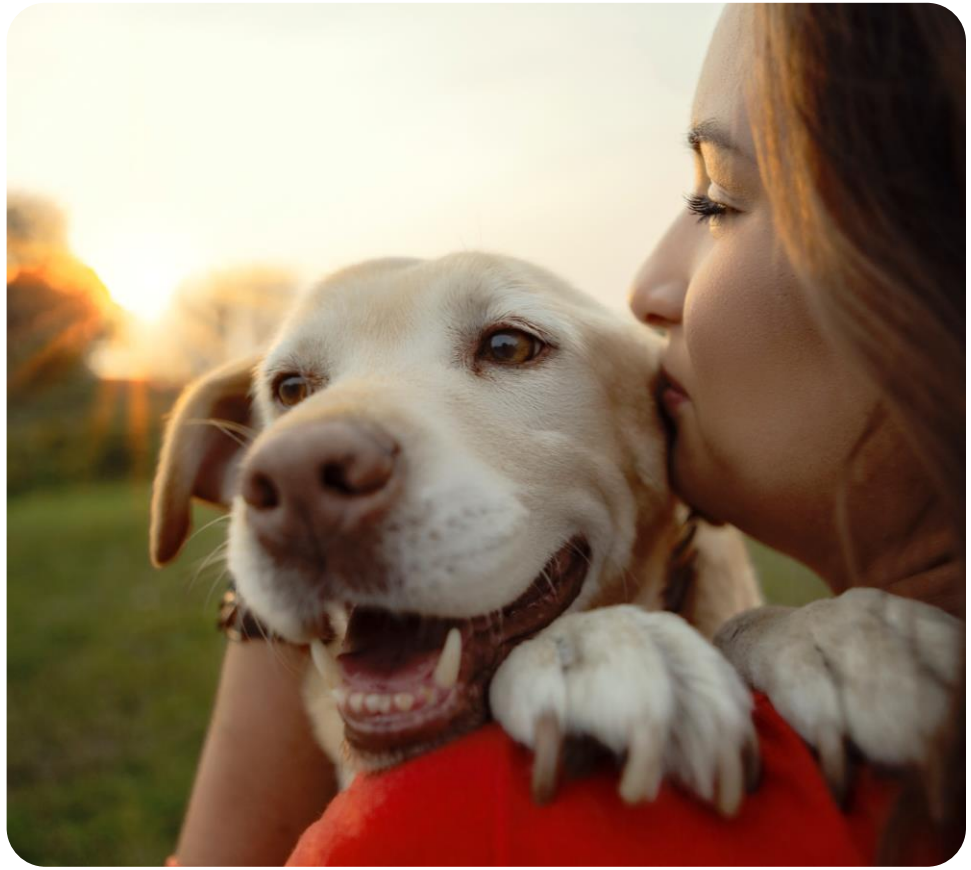
Gattefossé is a community of employees, all driven by a dual mission: the performance of its products and the personalized support to its customers. Gattefossé develops, manufactures and sells cosmetic ingredients and pharmaceutical excipients for the beauty and health industries worldwide, through its 12 affiliates and network of global agents and distributors in 90 countries.

Committed to an elevated level of responsible science

Gattefossé has always combined science and consciousness to innovate in cosmetic and pharmaceutical ingredients. We take particular care to control our operations to limit any impact on the ecosystems surrounding us and ensure that we respect the living world in all its forms.

Committed to one health

Gattefossé has always integrated environmental, human and animal aspects into its entire value chain. We are committed to accompanying our customers in developing safe and efficient veterinary medicines, from the early stages of development to the market.



Partnering with Gattefossé

Global technical support

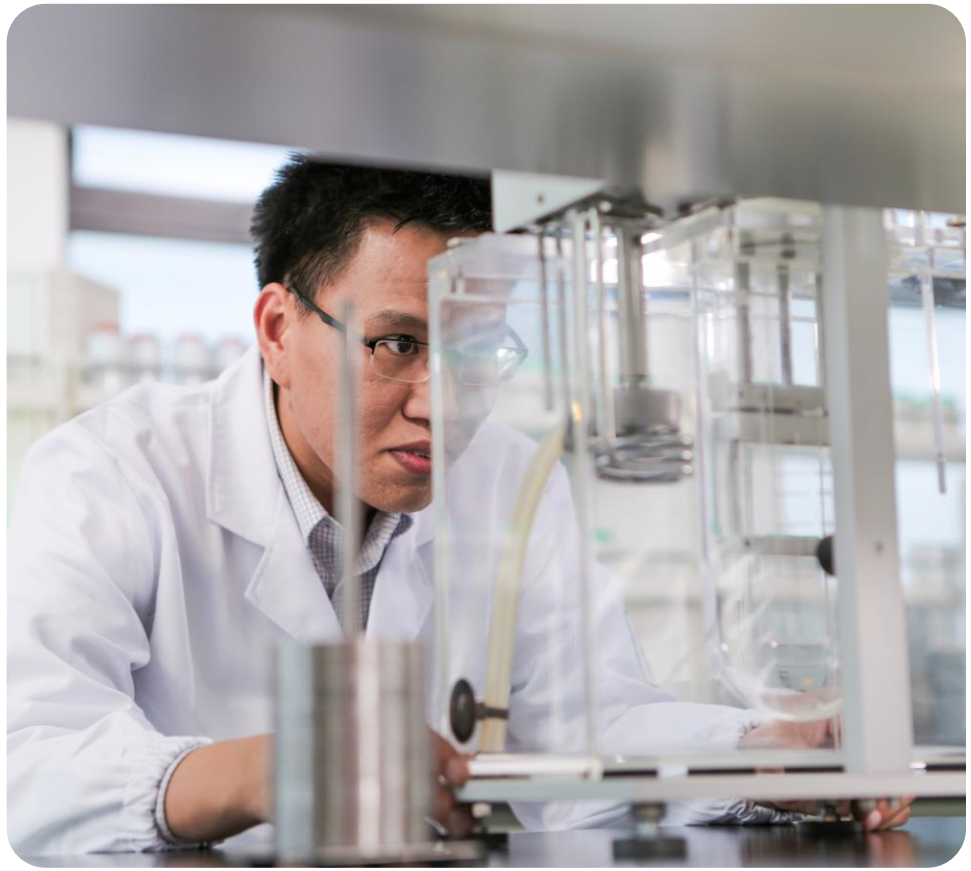
With Technical Centers of Excellence in China, France, India and the USA and more than twenty high-level scientists and technicians, we continuously work on assisting our customers in developing their formulations, by providing prototype formulations and dedicated trainings.

High quality excipients

Our lipid excipients are manufactured using vegetable oils, a wide array of plant-derived fatty acids, and alcohols. Depending on the raw materials used, the esterification reaction leads to solid, semi-solid, or liquid excipients. The fatty acid chain length, the composition in terms of mono-, di- and triglycerides and alcohol-esters impact the end-product physicochemical and functional properties.

ISO certified manufacturing sites

Our manufacturing sites are ISO certified by SGS (9001 version 2015) and follow IPEC Good Manufacturing Practices (GMP) guidelines. Production processes comply to international standards and follow a rigorous Quality Management System. We have obtained the GMP certificate of inspection from ANSM (Agence nationale de sécurité du médicament et des produits de santé - the French health authority).



All the excipients you need for veterinary medicines

Discover our diverse selection of premium excipients designed to meet the unique demands of veterinary medicine formulations, delivering excellence in every dose.

Gattefossé range of excipients

Gattefossé has been providing excipients for all routes of administration and all dosage forms for decades. From a chemical point of view, our product portfolio consists of:

- a solvent, Transcutol® V,
- and lipid excipients, from oils to co-surfactants to surfactants,

offering a wide range of functionalities.

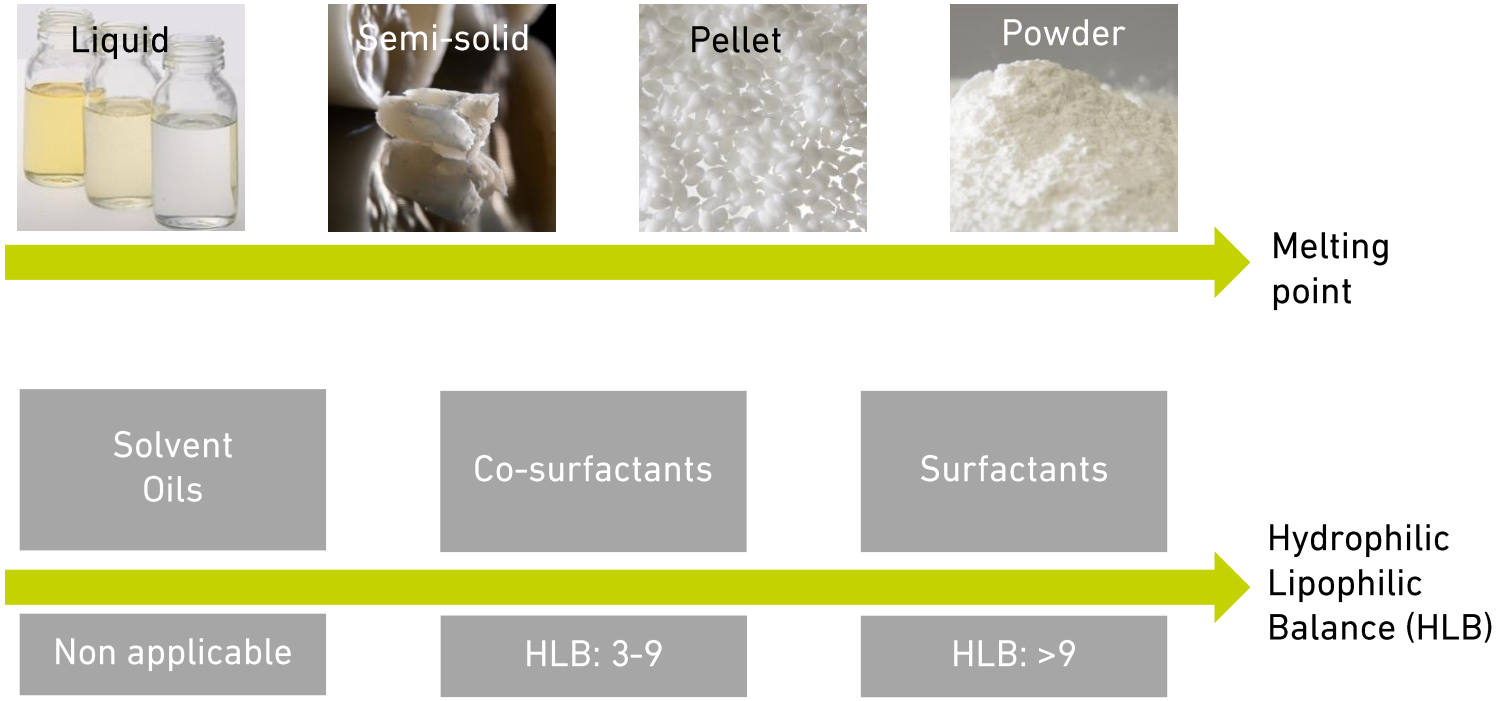
Our lipid excipients are manufactured using vegetable oils (including corn, apricot kernel or coconut oil), a wide array of plant-derived fatty acids, and alcohols such as polyglycerol, fatty alcohols, polyethylene glycol and propylene glycol.

Depending on the raw materials used, the esterification reaction leads to solid, semi-solid, or liquid excipients. The fatty acid chain length, the composition in terms of mono-, di- and triglycerides and alcohol-esters impact the end-product physico-chemical and functional properties.

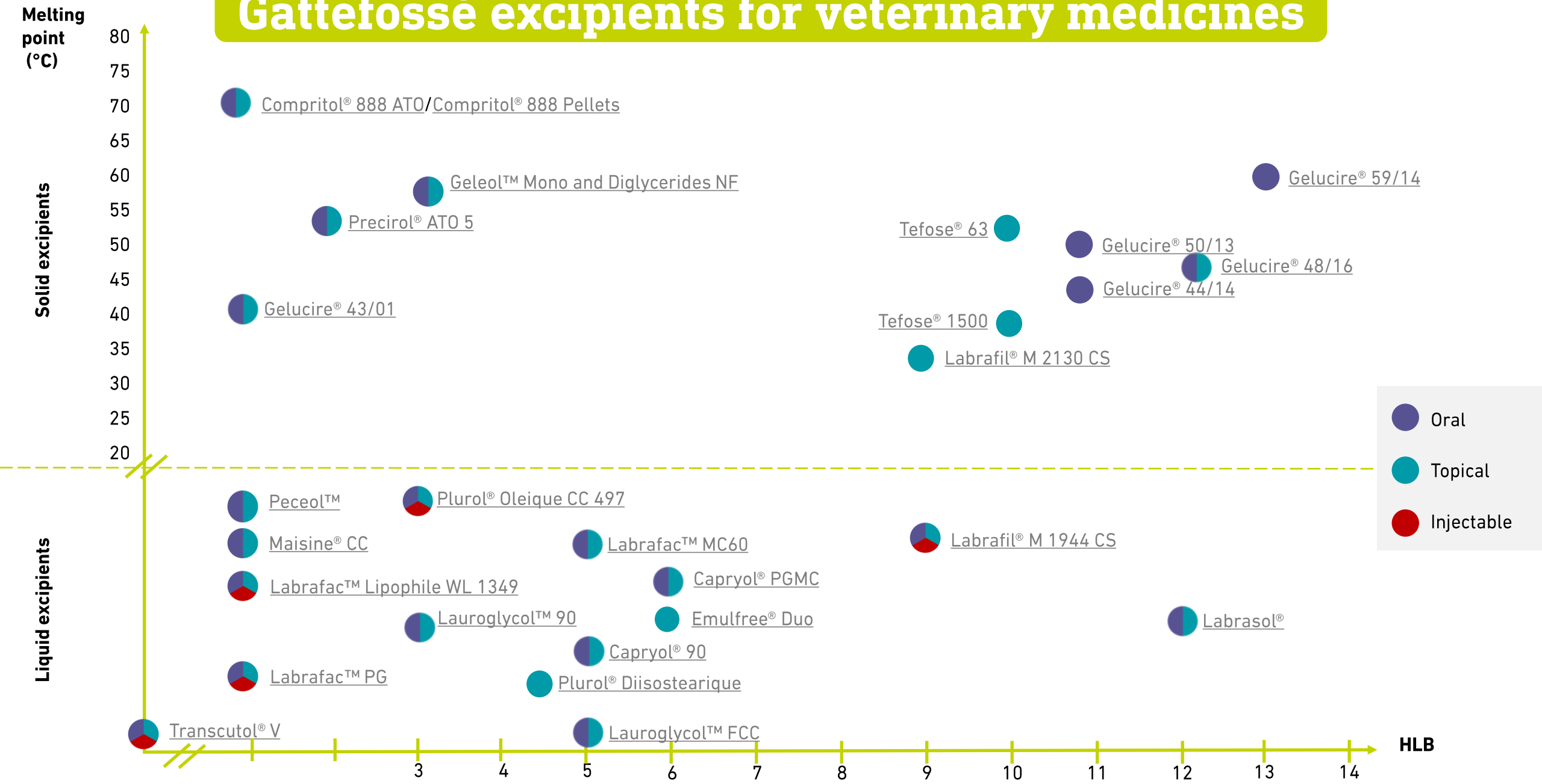
This extended range of properties explains the wide use of our excipients for all dosage forms and routes of administration.

The map on the following page gives a comprehensive overview of our portfolio based on two key characteristics of our lipid excipients:

- the melting point, function of fatty acid chain length and degree of unsaturation,
- the HLB, the ratio between hydrophilic and lipophilic part of the surfactant.



Gattefossé excipients for veterinary medicines



Functionalities at a glance

Click on the product names to access our website for more information on the product	Capryol® 90	Capryol® PGMC	Compritol® 888 ATO	Compritol® Pellets	Emulfree® Duo	Geleol™ mono and diglycerides NF	Gelucire® 43/01	Gelucire® 44/14	Gelucire® 48/16	Gelucire® 50/13	Gelucire® 59/14	Labrafac™ Lipophile WL 1349	Labrafac™ MC60	Labrafac™ PG	Labrafil® M 1944 CS	Labrafil® M 2130 CS	Labrasol®	Lauroglycol® 90	Lauroglycol® FCC	Maisine® CC	Peceol™	Plurol® Diisostearique	Plurol® Oleique CC 497	Precirol® ATO 5	Tefose® 1500	Tefose® 63	Transcutol® V
Dispersing agent															●								●				
Emulsifier																						●			●	●	
Intestinal permeation enhancer	●												●				●										
Lubricant			●																					●			
Lymphatic promoter															●					●	●		●				
Oily vehicle							●					●		●							●						
Oral bioavailability enhancer	●	●						●	●	●	●	●	●	●	●		●	●	●	●	●		●				
Skin penetration enhancer	●	●											●		●		●	●	●	●	●		●				●
Solubilizer	●	●						●	●	●	●	●	●	●	●	●	●	●	●	●	●		●				●
Stabilizing agent					●																						
Sustained release agent			●			●																		●			
Taste-masking and API protection agent			●	●																				●			
Thickener				●		●	●																	●			

Injectable drug delivery

Due to its quick onset of action, the facility of adjustment of the dose to the body weight, and convenience for veterinarians and farmers, injection remains the prevalent route of administration for veterinary medicines. Injections are widely used, especially for vaccines, antibiotics, anti-inflammatories or anesthetics.

The main hurdle to overcome is to limit the pain at the injection site, which can be attributed mainly to drug properties, volume of injection, injection vehicle and product viscosity. It is also worth mentioning that pain and tolerance at injection site are species dependent.

Injection products consist mostly of aqueous and oily solutions, emulsions or SEDDS (Self-Emulsifying Drug Delivery System) and suspensions. They can also be available as powders for extemporaneous preparation.

The final use is mainly intravenous (IV), intramuscular (IM) or sub-cutaneous (SC).

Gattefossé offer for veterinary injections consists of solvent, oils and surfactants, with a proven record of use with all major species.

Solutions for injection

Transcutol® V, a safe and powerful solvent

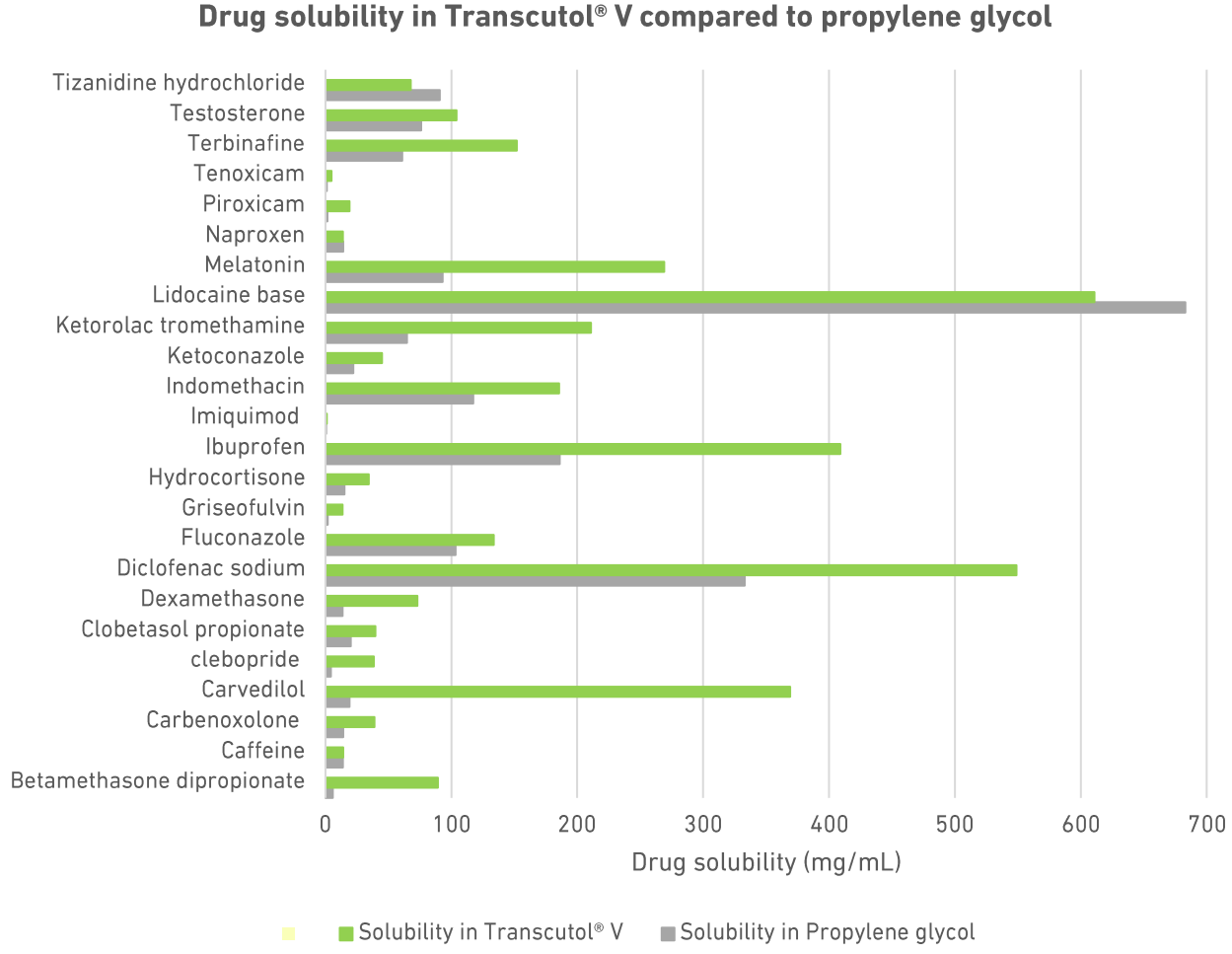
Solutions for injections are single phase, simple formulations.

If “Water for injection” is the most widely used solvent, a non-aqueous solvent or a mixed aqueous/non-aqueous solvent system may be necessary to stabilize drugs and to improve solubility.

Solubilizers are critical components of the formulation as they can:
- Prevent injection site precipitation
- Lower the viscosity
- Lower irritation at the injection site

Transcutol® V high solubilizing capacity and safety make it an ideal solvent for injections.

Ask for our case studies with
- 1% ivermectin
- 30% florfenicol



Oily suspensions

By nature, the particles of the suspension may settle or sediment at the bottom of the container upon storage. However, some sedimentation is acceptable, provided it can easily be dispersed by shaking the vial before use.

Choice of appropriate excipients can solve common issues encountered in oily suspensions, such as sedimentation upon storage, poor re-dispersibility or adhesion to the vial.

Oily vehicles such as Labrafac™ PG and Labrafac™ Lipophile WL 1349 are being used in veterinary suspensions for injection. Labrafac™ PG has a low viscosity, with good syringeability, and is associated with reduced pain at injection site.

To facilitate redispersion of the suspension before use and to reduce the adhesion of the product to the vial, we recommend to combine the oil with a co-surfactant such as:
- Plurol® Oleique CC 497 at 2-5%
- Labrafil® M 1944 CS at 1-5%

Without co-surfactant
☒Too much adhesion

With co-surfactant
☑ No adhesion

Ask for our case studies with
- 10% amoxicillin
- 10% cefquinome sulfate
- 10% ceftiofur hydrochloride

Oral drug delivery

Many oral dosage forms for veterinary uses exist:
- Solid: soft chews, tablets, granules and powders
- Semi-solid: pastes and gels
- Liquid: solutions and suspensions

The choice of the dosage form is primarily dictated by the species and its convenience of administration,
Another key consideration is the taste of the formulation, which, again, is appreciated differently from one species to the other.

In oral formulations, Gattefossé excipients offer a broad range of functionalities:
- Enhancing oral bioavailability through different mechanisms: improved solubilization, enhanced intestinal permeability, promoted lymphatic uptake, mitigation of the food effect
- Modifying drug release
- Taste masking and API protection
- Lubricating
- Thickening

Soft chews

Growing popularity of soft chews for companion animals is mainly attributed to the good acceptance by the pet and the easy administration by the pet owner, in favor of a good compliance.

Soft chews are usually produced by compression molding or wet extrusion, which are both simple processes with straightforward scale-up. They can contain a large proportion of flavor, up to 25-30%, enabling to achieve a high voluntary acceptance by animals.

Soft chews are suitable for many APIs, whatever their characteristics: liquid or powder, hydrophilic or lipophilic, heat and water sensitive. A high drug load is also possible.

Ask for our case study on soft chews

Gelucire® range

The Gelucire® range consists in surfactants that solubilize the drug and bring texture to the soft chew, whatever the process.

Gelucire® 50/13, Gelucire® 48/16, or Gelucire® 59/14 can be used up to about 20%.

Liquid surfactants

Our range of liquid surfactants can also be used to solubilize the API. Labrasol®, Capryol® 90 or Labrafac™ MC60 combine solubilizing capacity and intestinal permeation enhancement, interesting for low solubility, low permeability drugs.

Precirol® ATO 5

Precirol® ATO 5 helps improve the texture in combination with Gelucire® in both processes.

Precirol® ATO 5 at high level (up to 30%) provides very nice texture to the soft chew, enabling taste masking or sustained release drug delivery.

Oils

Oils, sometimes associated with glycerin, are the liquid part of the soft chew, necessary to texture the product, especially in the molding process.

Labrafac™ Lipophile WL 1349, Labrafac™ PG, Maisine® CC, or Peceol™ are suitable oily vehicles for soft chew production.

Tablets and mini-tablets

Tablets for immediate or sustained drug release can easily be developed. Depending on the species it can be challenging to be swallowed. For some species like horses for example, mini-tablets provide an interesting approach as they can be mixed with a handful of feed for administration.

When used in direct compression and depending on the level of use, Compritol® 888 ATO can have different functionalities:

- Lubricant at low level (1-3%)
- Sustained-release agent at high level (10-30%).

Lubricants

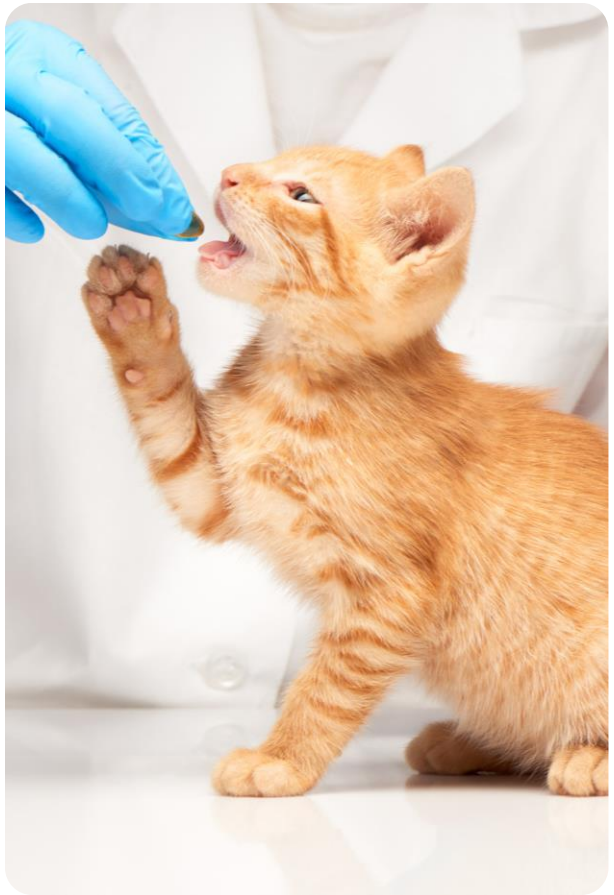
Compritol® 888 ATO at low level (1-3%) is an inert lubricant, meaning it does not react with APIs or other excipients. It is also insensitive to mixing conditions for a robust process.

Precirol® ATO 5 can also be used to lubricate tablets or capsules.

Sustained-release agent

At high level (10-30%), Compritol® 888 ATO is a sustained release agent, robust in physiological conditions. It can be used as the sole sustained release agent in lipid matrix or in combination with polymers for dual matrices.

Due to the very small size and weight of sustained-release mini-tablets, Compritol® 888 ATO as sole sustained-release agent offers attractive opportunities for veterinary medicines.



Download our brochures for more information

Ask for our case studies on sustained-release mini-tablets

Oral pastes and gels

Semi-solid oral dosage forms are intended to be delivered with a pre-calibrated syringe directly into the mouth. Therefore, the formulation needs to be syringeable across a wide range of temperatures and adherent to the tongue and buccal mucosae. They are mainly used for anthelminthics, anti-microbial agents, anti-inflammatories and anti-ulcers.

The formulation mainly consists of an oily vehicle with thickeners to get the adequate viscosity to be delivered with the device.

Medium-chain triglycerides like Labrafac™ Lipophile WL 1349 can be used, thickened with Geleol™ Mono and diglycerides NF and Compritol® 888 ATO.

Ask for our prototype formulation

Solutions and suspensions

Liquid dosage forms are available as concentrates to dilute before administration or as ready-to-use formulations. It can be delivered via the drinking water or as oral drench. The dosage form can be a simple solution or a SEDDS (self-emulsifying drug delivery system).

The solubilizer has a great importance, especially for concentrates, as it means the solution must be stable in concentrated and diluted form. Transcutol® V, with its exceptional solubilization capacity, has shown to be stable in concentrates at 40°C and in dilution up to 1:1000.

Other solubilizers in our range can also be used in oral liquid drench, such as Labrasol® or Capryol® 90.

Ask for our case studies on drinking water medication with
- **ivermectin**
- **ponazuril**
- **esential oils**

A matter of taste

Taste and odor of dosage forms are important in veterinary medicines, and again the preference is species-dependent.

On top of flavors that can be added to the formulation to mask unpleasant taste or odor, several taste-masking technologies with lipid excipients are available.

Applying a lipid coating around the drug particle enables to mask its taste. This can be done with fluid bed coating or high shear coating. Precirol® ATO 5 is the excipient of choice for these processes.

Dispersing the API in a lipid matrix enables to mask the taste. Hot melt extrusion with Precirol® ATO 5 or spray congealing with Gelucire® 50/13 are being used for that purpose in veterinary medicines.

Ask for our documentation on taste masking technologies

Skin drug delivery

Many topical dosage forms exist for veterinary medicines:
- Liquid: as spot-ons and pour-ons for example;
- Semi-solid: such as creams, ointments and gels;
- Solid: such as patches, collars, ear tags and pessaries.

Depending on the desired therapeutic effect, the drug formulation can target:
- a local action, at different levels of the skin layers: epidermis, dermis or below the epidermis.
- a systemic action, with the drug reaching the blood vessels located in the dermis.

When designing the dosage form, it is also important to consider where and how the product will be applied and for which therapeutics.
With all these information in mind, the choice of the final dosage form is made, and the formulation can be developed.

Gattefossé range of excipients for skin drug delivery includes:
- Solubilizers
- Chemical penetration enhancers
- Emulsifiers and co-emulsifiers
- Thickeners and stabilizing agents
- Oily vehicles and emollients.

Our excipients have been used for decades both for human and animal medicines and offer good safety for the skin and mucosae.

A full range of textures

With our extended range of excipients, a wide range of textures is achievable, such as foams, lotions, creams or ointments for example.

Use one of our win-win combinations to achieve the desired texture of your semi-solid product:
- Tefose® 63 + Labrafil® M 1944 CS (2:1)
- Tefose® 1500 + Labrafil® M 2130 CS (2:1)
- Gelot™ 64 + Emulcire™ 61 WL 2659 (1:1)
- Plurol® Diisostearique + Plurol® Oleique CC 497

Foams are particularly well suited for animals as, depending on the site of application, their fur might not be in favor of cream-like products. Light foams based on Transcutol® V, Plurol® Oleique CC 497 and Labrasol® are convenient for hair-bearing areas and offer quick absorption without residue.

Download our brochures for more information

Transdermal products

When a systemic action is expected for a veterinary medicine, the formulation must help overcome the following hurdles:

- The fur or feathers can be very dense and limit absorption of the product,
- The skin is a strong barrier, and might be very thick for some species,
- The animals, especially those staying outside, can be rinsed off by the rain.

Our chemical penetration enhancers, Transcutol® V , Plurol® Oleique CC 497 and Labrasol® help formulate transdermal products such as solutions for spot-ons and pour-ons, transdermal ointments or patches.

To avoid hairy areas, one can target the external ear as it is a less hairy zone for better absorption, it is highly vascularized and offers a quick access to systemic delivery, and also the animal cannot leak the medicine out. Transcutol® V and Labrasol® are successfully being used in transdermal ointments.

Another option can be to use transdermal patches, as their occlusive properties help drug absorption, although shaving might be necessary for better adhesion.

Spot-ons and pour-ons are also widely used for companion and farm animals for transdermal action, and are described on the following page.

Download our brochures for more information

Spot-ons and pour-ons

Spot-ons and pour-ons are designed to deliver the active substance through the skin, and ensure systematic, long-acting delivery of the drug. The particularity of these dosage forms, is that they are applied locally, and the active substance must migrate from the point of application to distal regions of the animal.

Today, these dosage forms are mainly used for antiparasitics. However, they could be used for other indications such as anesthetics for example, to alleviate pain and reduce dosage frequency.

Transcutol® V is the excipient of choice for spot-ons and pour-ons formulations due to:
- Its exceptional solubilization capacity,
- Its skin penetration ability,
- Its depot effect for long-action,
- Its safety and tolerance.

Other skin penetration enhancers and solubilizers in our range could be used, such as Labrasol® or Plurol® Oleique CC 497, depending on API properties.
For pour-ons, where rain wash off resistance is required oils can be added, such as Labrafac™ Lipophile WL 1349 or Labrafac™ PG.

Did you know?

A large majority of antiparasitics on the market available as spot-ons contain diethylene glycol monoethyl ether (i.e. Transcutol® V) as solvent (source Pharmacircle, 2024).

Intramammary infusions

Intramammary administration of antibiotics is frequently used to treat mastitis. The solution or suspension is inserted in the teat canal using a special cannula. It is important that the formulation is non-irritating for the udder and a milk withdrawing period is applied to ensure no antibiotic is present in the milk.

In these formulations, the vehicle must ensure fast and even distribution of the antimicrobial drug. Viscosity of the formulation is a critical parameter. If it is too low, there is a risk of leakage out of the teat canal. If it is too high, the application might be more difficult and less release of drug from the vehicle could be observed.

Our winning combination of excipients for intramammary administration, with proven record of use, is Labrafil® M 1944 CS and Geleol™ Mono and diglycerides NF.

Labrafil® M 1944 CS is a self-emulsifying excipient with excellent mucosal tolerance. It decreases the surface tension and favors spreading of the antibiotic in the mammary parenchyma.

Geleol™ Mono and Diglycerides NF acts as a thickener of the oily phase, to provide the appropriate viscosity to the suspension.

Both Labrafil® M 1944 CS and Geleol™ Mono and diglycerides NF are being used worldwide in suspension for intramammary administration of antibiotics and corticosteroids.

Otic products

There are two main applications for otic products. Cats and dogs have sensitive ears, and it is recommended to use products for hygiene*, like cleansing solutions to remove cerumen. External otitis is also frequent in cats and dogs and lotions with antibiotics, anti-fungals and corticosteroids are used.

Viscosity and spreadability of the product need to be balanced, for a better repartition and diffusion of the drugs through the mucosa.

For lotions, we recommend the use of Tefose® 1500 and Labrafil® M 1944 CS as emulsifier and co-emulsifier, respectively.

Bi-gel with Emulfree® Duo is also an attractive and innovative dosage form for otic products. Due to their dual nature, bi-gels are associated with the following advantages: suitable for lipophilic and hydrophilic drugs, better drug absorption through the skin, cooling and moisturizing effects and improved spreadability.

** Check local regulations for the status of products for hygiene*

Ask for our prototype formulation

Solid products

Pessaries and suppositories

Although the rectal and vaginal routes of administration are not often used in animal medicines, they remain interesting alternative routes of administration.

Gattefossé has a wide range of hard fats suitable for pessaries and suppositories. Our Suppocire® and Ovucire® hard fat bases comprise chemically stable fatty acid esters with a narrow melting range. Careful selection of the right Suppocire® or Ovucire® base ensures optimal physicochemical stability and drug delivery properties. In addition, pessary and suppository formulations are usually simple binary mixtures of the API dissolved or dispersed in the hard fat base. They do not require additional excipients to enhance performance, quality, or stability.

The primary example of use is progesterone pessaries, which are used by breeders for reproductive purposes..

Collars and ear tags

These devices are used mainly for antiparasitics. They are based on polymers and are mainly produced by extrusion. They are long-acting dosage forms, providing up to several months' protection.

Labrafac™ PG is used in these applications, acting as a solubilizer of the drug and plasticizer of the polymer.

Food-producing animals

Food-producing animals include cattle, swine, poultry, sheep, goats, fish from aquaculture and honeybees. As they are intended for human food consumption, safety is the first concern. Extreme care is taken to veterinary medicines to ensure no residue is present in the meat or in derived products (milk, egg, honey).

Another concern is to develop a dosage form adapted to the species and indication, to facilitate the administration by the farmers or veterinarians.

For food-producing animals, main traditional indications for veterinary medicines are antibiotics and parasiticides, available in a variety of dosage forms and routes of administration, adapted to the species.

Our excipients for veterinary medicines have precedence of use in both animal and human medicines and are listed in the Inactive Ingredient Database from US FDA.

Safe for human consumption

Our excipients offer the maximum safety for veterinary medicines as:

- They are compliant to main pharmacopoeias,
- They have precedence of use in both animal and human medicines, and are listed in the Inactive Ingredient Database (IID) from US FDA,
- They do not have a Maximum Residue Limit (MRL).

Moreover, Gattefossé provides upon request extensive safety and toxicological information for all its excipients.

Contact us to get the safety and toxicology overview on our excipients.

Antibiotics

Antibiotics is one of the main prescriptions for food-producing animals. However, due to growing antibiotic resistance development in humans and animals and to the increasing number of zoonoses, changes in veterinary practices are being observed. In some territories the sales of antibiotics have drastically decreased. Some antibiotics have also been restricted to human or to animal use in order to limit cross-resistance development. Prevention of zoonoses, through vaccination for example, is also a way to reduce the use of antibiotics and tackle the development of resistance.

Nevertheless, antibiotics remain important to limit losses in animal production and their associated costs. Antibiotics are used in all animal species, using different routes of administration and dosage forms depending on the species.

Gattefossé excipients are being used with antibiotics such as amoxicillin, benzylpenicillin, cefoperazone, cefapirin sodium, cefquinome sulfate, ceftiofur hydrochloride, colistin sulfate, florfenicol, potassium clavulanate and amoxicillin trihydrate and tylosin.

Injectable

•Suspensions IM, SC

Oral

•Solutions
•Suspensions
•Pastes

Topical

•Intramammary suspensions

Antiparasitics

Antiparasitics are also an important therapeutic class in food-producing animals, including ectoparasiticides and endoparasiticides. Antiparasitics resistance is developing, and for some molecules widespread resistance is being observed, limiting their efficacy. Moreover, climate change leads to spreading of parasites in new territories and increase the zoonoses.

Antiparasitics are used in all animal species, using different routes of administration and dosage forms depending on the species.

Gattefossé excipients are being used with antiparasitics such as abamectin, deltamethrin, derquantel, dicyclanil, eprinomectin, florfenicol, monepantel, moxidectin, praziquantel, triclabendazole.

Injectable

•Suspensions IM, SC

Oral

•Solutions
•Suspensions
•Pastes

Topical

•Pour-ons
•Ear tags

Precedence of use

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Injectable solution												●		●													●
Injectable suspension												●		●													
Pour-on / Spot-on solution												●		●			●										
Pour-on / Spot-on suspension												●															
Intramammary suspension						●									●												
Oral paste				●		●						●															
Oral solution	●					●								●												●	●
Oral suspension												●															

Contact us for more information on the precedence of use of our excipients in veterinary medicines

Companion animals

Companion animals are more and more part of our families, and their effects on our own health is now well documented. Pet owners would do anything to make their companion's life better than ever.

For domestic animals, main therapeutic classes for veterinary medicines are parasiticides, antibiotics, anti-inflammatories and analgesics, available in a variety of dosage forms and routes of administration. However, many other pathologies exist for our pets, such as dermatitis, obesity, cardiac diseases, epilepsy or cancer, to cite a few. And many developments are being done in these areas.

Our excipients for veterinary medicines have precedence of use in both animal and human medicines and are listed in the Inactive Ingredient Database from US FDA.

Antiparasitics

Spot-ons

Spot-on is a long-acting dosage form applied locally on the skin for a few weeks of action. Transcutol® V is undeniably the best-of excipient for this dosage form. It is being used with drug substance such as fipronil, alone or in combination with pyriproxyfen, methoprene or permethrin.

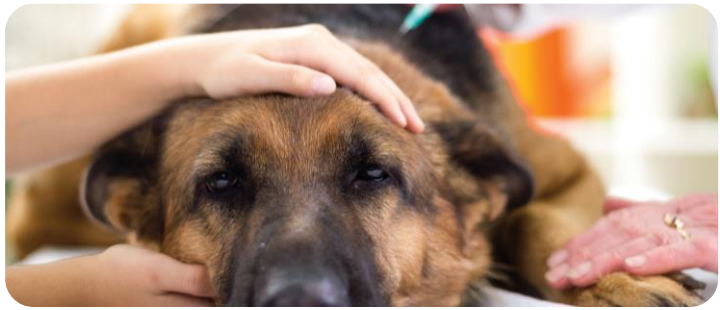
Tablets and soft chews

Oral tablets, and especially soft chews, are gaining in popularity for parasiticides with afoxolaner and milbemycin oxime, and other antiparasitics combinations.

Collars

Collars are also very convenient due to their action lasting up to 9 months. They are usually made of a polymer with Labrafac™ PG as solubilizer of the API and plasticizer of the polymer.

Antibiotics, analgesics and anti-pruritics



Preventing infections

Wounds and scars are common in domestic animals and anti-infectives are often prescribed.

Gattefossé excipients are being used with antibiotics such as amoxicillin or marbofloxacin for example, and in antiseptics such as chlorhexidine gluconate, chloroxylenol or benzalkonium chloride.

Alleviating pain

Analgesics are often used in veterinary clinics, as injections mainly. However, to have prolonged analgesic action at home, other dosage forms are possible with tablets or spot-ons.

Gattefossé excipients are being used with propofol or tolfenamic acid.

Stopping scratching

Dermatitis is common and challenging for the animal to endure. Often, corticosteroids are prescribed to lower the pain and irritation. For severe cases, immunosuppressants can also be prescribed.

Product can be delivered as injections, creams or oral solutions for example.

Gattefossé excipients are being used with cyclosporine, oclacitinib maleate or prednisolone.

Precedence of use

Click on the product names to access our website for more information on the product	Capryol® 90	Capryol® PGMC	Compritol® 888 ATO	Compritol® Pellets	Emulfree® Duo	Geleol™ Mono and diglycerides NF	Gelucire® 43/01	Gelucire® 44/14	Gelucire® 48/16	Gelucire® 50/13	Gelucire® 59/14	Labrafac™ Lipophile WL 1349	Labrafac™ MC60	Labrafac™ PG	Labrafil® M 1944 CS	Labrafil® M 2130 CS	Labrasol®	Lauroglycol® 90	Lauroglycol® FCC	Maisine® CC	Peceol™	Plurol® Diisostearique	Plurol® Oleique CC 497	Precirol® ATO 5	Tefose® 1500	Tefose® 63	Transcutol® V
Injectable solution / suspension												●															●
Injectable emulsion												●															
Spot-on solution																											●
Topical spray / solution / suspension												●						●	●	●							
Topical cream / ointment																	●										●
Collar														●													
Oral paste / gel												●		●													
Oral tablet			●							●		●												●			
Oral solution / suspension													●		●					●							●

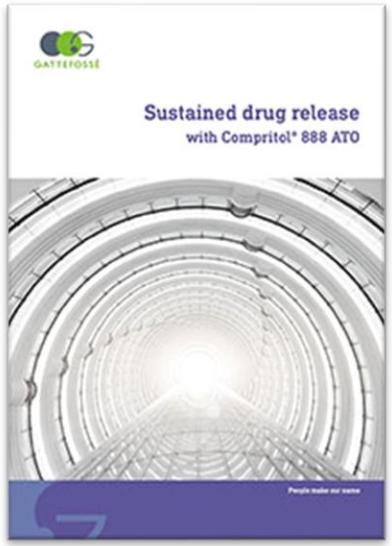
Contact us for more information on the precedence of use of our excipients in veterinary medicines

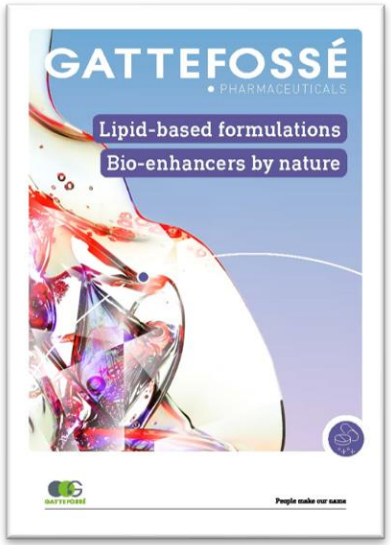
Knowledge sharing

Gattefossé has a long tradition of knowledge sharing to make the pharmaceutical science advance.

Our website contains a lot of fruitful information, and many resources are freely available such as brochures and on-demand webinars.

We also host trainings to help our customers understand how to best use our excipients in their formulations.

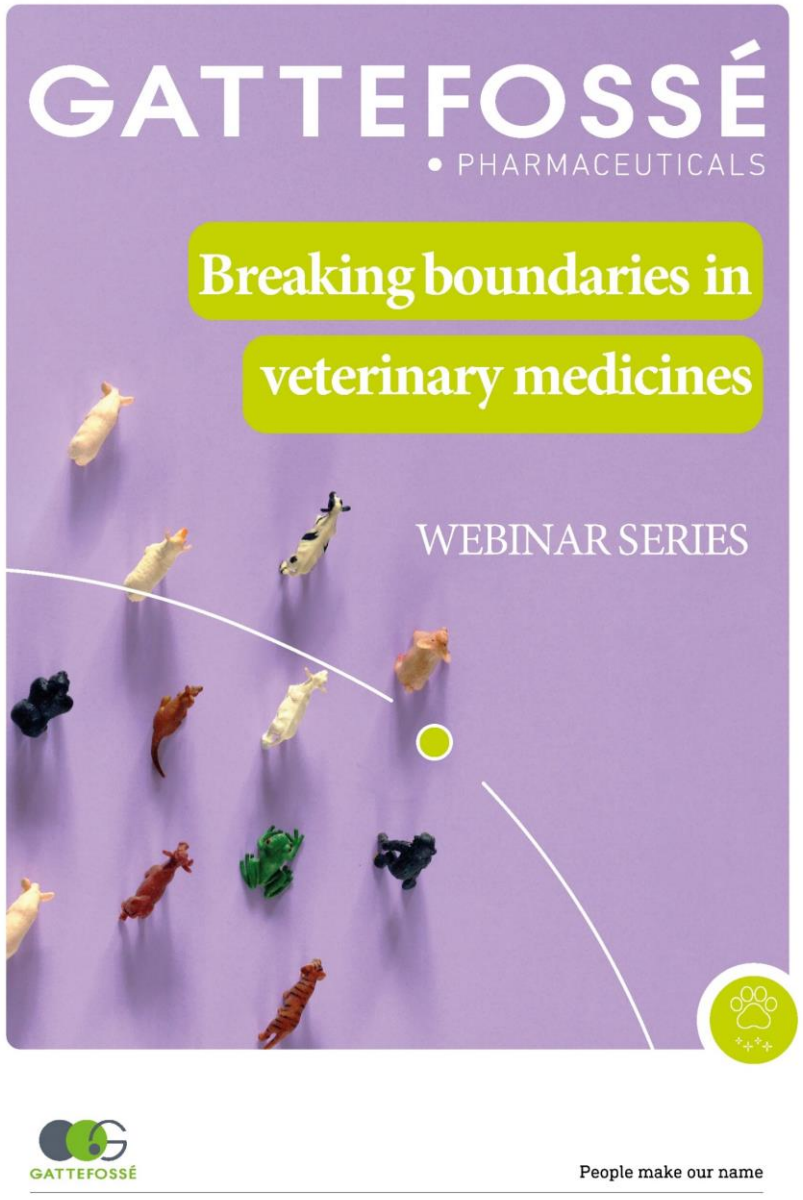




Download our brochures

In our brochures freely available on our website, you will find useful information on how to use our excipients in veterinary dosage forms.

Access our brochures

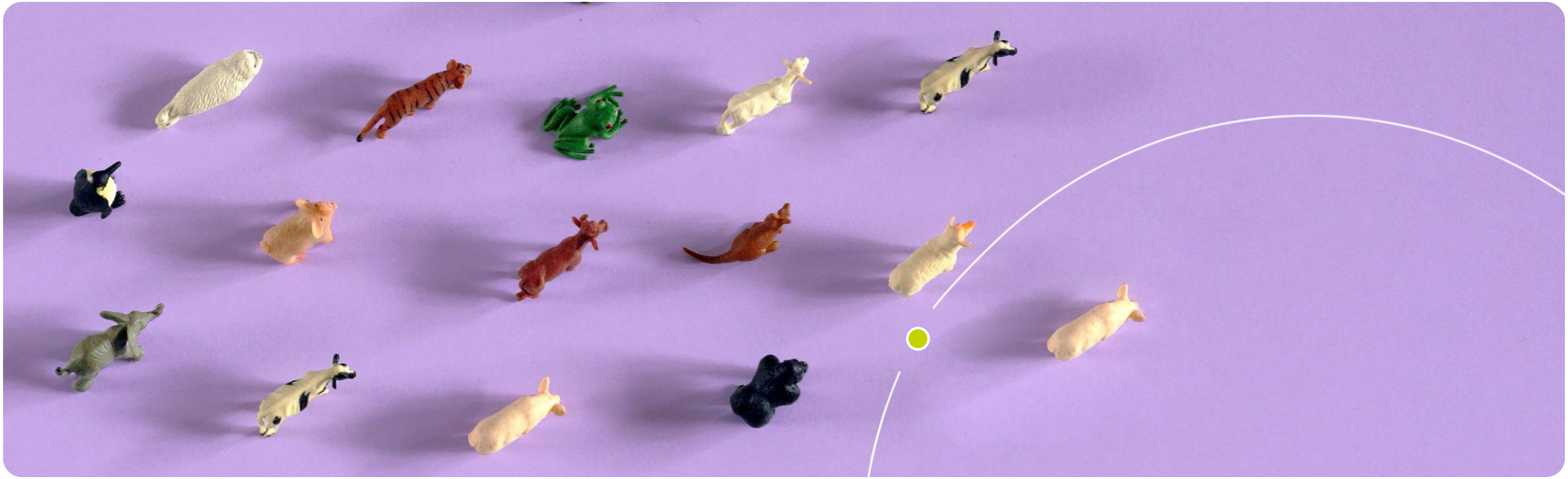


A unique webinar series dedicated to veterinary medicines

Gattefossé Pharmaceuticals has organized a webinar series focusing on veterinary medicines. These webinars are specifically designed for formulators in veterinary laboratories worldwide, providing them with comprehensive insights into the effective utilization of Gattefossé excipients in dosage forms tailored for companion and food-producing animals.

The series kicks off with an introductory webinar that offers a global overview of Gattefossé's offerings and support for the veterinary sector. Subsequent dedicated webinars delve into the intricacies of skin, oral, and injectable drug delivery, providing in-depth knowledge and practical guidance on how to use the best of Gattefossé excipients.

Access our on-demand webinars



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