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# BIOSECURITY HAS BEEN OUR BUSINESS FOR 30 YEARS

BACK IN 1985, REFARM HAS SEEN THE FUTURE AND ESTABLISHED ITS OWN PATH FOR THE PREVENTIVE VETERINARY AND BIOSECURITY FIELDS THROUGH ITS BEST QUALITY PRODUCTS.

**R**EFARM Group of Companies was established in Istanbul in 1985. Since the very beginning its goal has always been to provide multiple markets with products for the preventive veterinary and biosecurity fields. At the stage of establishment, our group chose Refarm as company name because our main target was to reconstruct and renovate poultry farms in the country and thus contribute to improvement of their productivities.

Back in 1985, when the biosecurity concept was not well-known, Refarm chose the tough path to follow: Introduction and establishment of BIOSECURITY concept in Turkey. At that time, it was quite difficult to explain the importance of biosecurity and that prevention is more economical than treatment. Today, this concept has found acceptance with many of integrated companies

in particular. Biosecurity is the most effective form of protection through excluding disease causing organisms from the environment. Most diseases are spread by viruses or bacteria, coccidia or fungi via recognized vectors of infection, from the animals themselves, the people who handle them, contaminated food and water, housing and equipment, and even the air itself. In order to keep disease under control and maintain a healthier environment for your livestock, modern biosecurity techniques and measures are the key elements. Refarm has always been loyal to its mission to help protect and improve the health conditions of domestic animals by supplying products and services to control and reduce microorganisms that cause infections for such beings throughout their lives in areas within facilities dealing with production of poultry, ruminant, equine, goats, pets etc. in veterinary field.

*Refarm is determined to continue sharing the necessary information and experience as a contact tool and always supports the market in terms of sharing experiences.*

## REFARM HAS SEEN THE FUTURE

The world has been changing and the need for natural resources keeps growing due to the rapid increase in population. In parallel to this need, modern livestock animals are often reared in closed buildings and accordingly the greatest threat to the wellbeing of any creature comes from other creatures of the same species. The closer they get, the greater is the risk of disease. Diseases are contagious from animal to animal, from human to human, from animals to human (zoonosis) or through indirect carriers such as contaminated surfaces, feed or water, vermin or insects. In the sense of management, it certainly



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goes parallel to implementation of biosecurity rules. On the other hand, the prospects of obtaining eligible raw materials are getting more difficult each day in parallel to the amending regulations for a better protection of animal and environmental health and consequently the human health. Back in 1985, Refarm has seen the future and established its own path for the preventive veterinary and biosecurity fields through its best quality products.

### 30 YEARS OF EXPERIENCE IN BIOSECURITY

As mentioned above, consistent hard work is essential (a must) for a successful biosecurity program. It should be stressed that there is no single program for bio-security. A biosecurity program should be designed within a plan to comply with regional data and meet the needs of flocks. Thus, the disease agents should be kept out of the facilities which take us back to biosecurity measures. The most economical treatment is "prevention" by taking necessary measures right from the beginning. Refarm is determined to continue

sharing the necessary information and experience as a contact tool and always supports the market in terms of sharing experiences. Within that 30 years, Refarm has always followed the recent innovations and trends in the global market and there has been many studies completed not only with competent key opinion leaders, Authorities and Universities also non-governmental organizations. The cooperation and Refarm's mission to be the bridge in between is ongoing and continuous.

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### BIOSECURITY IS CONTINUOUS

Biosecurity is a concept which consists of many steps and measures to be taken. In other words, biosecurity is a chain of critical control points. It is said that "a chain is only as strong as its weakest link". Most of all, continuousness is the key factor. It is essential to comply with HACCP rules and observation and monitoring should never be neglected. Compliance with biosecurity rules and a suitable budget allocated for this purpose will not only serve the protection of animals but will help pay off multiple times by securing an increase in efficiency, as well.

Let's take a look at the whole picture of biosecurity and HACCP measures together:

*To mention the rules of HACCP steps taken:*

- › Conduct a Hazard Analysis
- › Identify Critical Control Points
- › Establish Critical Limits
- › Establish Monitoring Procedures
- › Establish Corrective Actions
- › Establish Verification Procedures
- › Record Keeping Procedure

### Standard Continuous Biosecurity Program Procedures

The main goal of a standard continuous biosecurity program is primarily to prevent pathogens from multiplying within the site and secondarily to prevent the spread of infection within the site. Keeping this idea, a standard continuous biosecurity program should include the following steps which must be implemented at all times:

#### Disinfectant Footdips

At the entrance of the site or a house, all related people must use disinfectant footdips which should be replenished regularly or when the visible contamination is detected.

#### Wheel Wash, Vehicle Sprays & Mobile Equipment

Vehicle movement must be taken under strict control. Any vehicle entering and leaving the site must pass through a disinfectant wheel wash or vehicle spray. The wheel wash should be filled regularly in order to prevent dilution and/or contamination. Same applies for the mobile equipment which is brought onto the site from other units before being allowed to enter.

#### Hand Washing

It is very well known that most infection is spread through dirty /unwashed hands. Upon entrance, all visitors should be required to wash their hands. As a usual control, all personnel must wash their hands before starting work, after breaks and when changing activities.

#### Visitors

As a contaminant source, care must be taken to ensure that visitors appreciate all the biosecurity measures by all means you have taken to protect your site, and protective equipment should be issued to visitors where appropriate.

#### Water Lines & Drinkers

In order to maintain water quality during the production cycle, continuous disinfection is crucial. Hence, the drinking water can be a potent source and spread of infection. It should also be noted that

the header tanks and pipelines need to be regularly cleaned and disinfected with a non-tainting disinfectant.

#### Aerial Disinfection

In the aid of reducing the primary and cross infection and also against secondary infection during outbreaks of respiratory and other diseases, spraying a fine disinfectant mist or fog over poultry animals is good. This type of application is also suitable for the prevention from diseases.

#### Rodent Control

One other critical control point is the rodent control. Neglecting one step may cost a lot. Rats and mice can be responsible for the spread of a number of serious diseases on poultry farms including Salmonella and Hanta virus infections. In order to prevent their infestation, feed spillages must be removed as quickly as possible and houses are secured from vermin. For this purpose, an effective rodent control program must be implemented.

### REFARM IN THE FUTURE

Thanks to its wide portfolio consisting of products and services including surface disinfectants, rodent control products, egg sanitation equipment, water treatment and disinfectant products, hatchery machines, diagnostics kits, single calf hatch feeding equipment system, teat disinfectants, colostrum management systems, special products for organic producers such as natural feed additives and water disinfectants, gathered together from the best quality global brands, Refarm is among the leading companies in the bio-security market in Turkey, at present. Today, Refarm is ready to offer its services globally by extending its presence beyond neighboring countries in its region.

*We would like to finish our message with our motto:*  
**BIOSECURITY IS OUR BUSINESS... AND IT SHOULD NOT STAY ON PAPER BUT IT SHOULD BE IMPLEMENTED.**

### 30TH YEAR IN BUSINESS

Sticking to its pioneering mission, Refarm has always monitored the most recent developments in the world and been the first to introduce suitable and added value products and concepts to the customers, via establishing brand and product awareness. Currently, Refarm represents several very well-known companies from all over the world which are all specialized in their fields and provides biosecurity services and products for Animal Health, Environmental & Food Safety. Refarm is proud to celebrate its 30th year in business, in 2015.

