

DISTEMPER

**ACTINMUN NDV MANUAL,
SPECIFICATIONS
AND COSTS.**



ACTINMUN NDV
Suero Inductor Antimorbillivirus

TECHNICAL SHEET of ACTINMUN NDV Serum against CANINE DISTEMPER and NEWCASTLE in BIRDS

1. MEDICINE NAME:

ACTINMUN NDV Antimorbillivirus Inducer Serum.

2. TECHNICAL NAME:

Antimorbillivirus Inducer Serum; specific against Canine Distemper and neurological Newcastle in birds.

3. COMPOSITION/ACTIVE INGREDIENT:

Canine blood serum containing Antimorbillivirus Inducer Serum with 1 ml of enrofloxacin per liter of ACTINMUN NDV as a preservative.

4. PHARMACEUTICAL FORM AND PRESENTATIONS:

ACTINMUN NDV comes lyophilized in various presentations for dogs weighing in multiples of 5 kilos (5, 10, 15, 20 kg, etc.) and is to be diluted with injectable water (injectable water is not included).

5. THERAPEUTIC INDICATIONS:

For the treatment of dogs and other exotic carnivores suffering from Distemper, regardless of the strain, and for the treatment of neurological Newcastle in birds. Both viruses (Distemper and Newcastle) belong to the Paramyxoviridae family, allowing cross-immunity with the same ACTINMUN NDV serum.

ACTINMUN NDV serum can be administered at any stage of the disease regardless of the animal's age. If applied in the early stages, the chances of recovery are higher, while in the neurological stage of distemper, the chances are 30-40%.

Important video links to technically understand ACTINMUN:

Click on the box and you will see the video.

Advantages of Using Actinmun

Important Info About Canine Distemper

How to Use ACTINMUN?



6. HANDLING OF ACTINMUN NDV SERUM:

Since ACTINMUN NDV is lyophilized, refrigeration is not required during transport. It can be stored in a cool, dark place for a short period, but freezing it between -11°C and -30°C extends its shelf life significantly. Once reconstituted with injectable water (exclusively), the serum should be administered by a veterinarian and stored in refrigeration (2-5°C).

6.1 DOSAGE AND ADMINISTRATION ROUTES:

The dose of ACTINMUN NDV for Canine Distemper is one cubic centimeter for every 5 kilograms of weight, PLUS ONE, every 8-10 hours for 6 applications, and the route of administration is SUBCUTANEOUS in the INNER PART OF THE THIGH exclusively.

The other route of application is in the CISTERNA MAGNA in cases of nervous distemper when subcutaneous application every 8-10 hours for 6 times did not yield the expected results and the case remains very serious. If there has been a noticeable improvement in neurological symptoms, it is advisable to inject ACTINMUN NDV serum subcutaneously in the inner thigh every 8-10 hours for 6 applications. Reserve a dose of ACTINMUN NDV from the beginning in case it needs to be used for application in the cisterna magna.

Important video links to technically understand ACTINMUN:

Click on the box and you will see the video.

**Subcutaneous
Application of
ACTINMUN NDV**

**Understanding
Nervous Distemper**

**Limitations of
ACTINMUN Serums**

6.2 In neurological distemper, the recovery rate with ACTINMUN NDV is between 30-40%. There are many videos of dogs with neurological distemper being cured using ACTINMUN NDV on our social media.

6.3 ACTINMUN-NDV can also eliminate the NEWCASTLE virus:

For a bird weighing between 1 and 5 kilograms, 2 ml of ACTINMUN NDV should be applied every 12 hours subcutaneously in the inner part of the thigh, preferably, or subcutaneously as close as possible to the inner thigh, 3 times.



7. WARNINGS AND SUGGESTIONS TO CONSIDER FOR ITS APPLICATION:

Since ACTINMUN NDV is a biological product containing canine blood serum, in rare cases it could trigger an allergic or hypersensitivity reaction in animals predisposed to this condition. It is advisable to administer ACTINMUN NDV following the Besredka method: inject 0.1 ml subcutaneously in the inner thigh and wait 15 minutes; if there is no local or general reaction, inject 0.25 ml subcutaneously and wait another 15 minutes; if no reaction occurs, inject the remainder of the product according to the given instructions. The animal's vital signs should then be monitored for one hour to ensure there are no signs of allergy or hypersensitivity.

It is necessary to be prepared in case of an allergic or hypersensitivity reaction, having antihistamines (diphenhydramine), dexamethasone (corticosteroids), and adrenaline on hand. In the case of a mild allergic reaction, an antihistamine (diphenhydramine) should be administered 10 minutes before each injection to prevent this undesirable response in future applications of ACTINMUN NDV.

7.1 Use of BACTERIOSTATIC ANTIBIOTICS when using ACTINMUN serum:

During treatment with ACTINMUN NDV, we recommend using BACTERIOSTATIC ANTIBIOTICS and preferably avoiding the use of BACTERICIDAL antibiotics. This will reduce the chances of hypersensitivity due to the release of ENDOTOXINS contained in gram-negative bacteria that enter the bloodstream when they are destroyed by BACTERICIDAL antibiotics.

Please share this technical information with your veterinarian so they are familiar with the product, along with the following recommendations to be followed in the clinic.

8. SYMPTOMATIC TREATMENT AND CONTRAINDICATIONS:

It is very important to continue with proper symptomatic treatment implemented by your veterinarian. ACTINMUN serums have no contraindications. However, in the disease of Distemper itself, there are contraindications. In the nervous stage of Distemper (the virus can enter the brain between the 8th and 10th day after the onset of the disease), immunostimulants, interferons, and vitamin C are contraindicated. We do not recommend the use of immunostimulants in Distemper disease.

9. PHARMACODYNAMICS OF ACTINMUN NDV SERUM

ACTINMUN NDV Serum is a blood serum with antiviral immunoglobulins against viruses from the Paramyxoviridae family (Distemper and Newcastle); it is an Antimorbillivirus-inducing serum capable of crossing the blood-brain barrier in 30 to 40% of cases in dogs and 65% in birds with neurological Newcastle (antibodies do not naturally cross this barrier in dogs).

Dr. Sears once commented on the Antimorbillivirus-inducing serum: 'It is a previously unknown antiviral material or group of materials, possibly acting at the level of RNAi. We are not sure how it works, but it works quickly when a sick dog is treated with this material in the early stages of the disease.' (Dr. Alson Sears, author of NDV Serum).

Distemper can be treated with ACTINMUN NDV serum along with proper symptomatic treatment. However, when the virus reaches the Central Nervous System, the disease progresses to the Nervous Distemper stage, which has a critical prognosis, as the virus has affected multiple systems and organs before reaching the CNS (Central Nervous System).

In this stage, the virus infects the CNS, causing inflammation and demyelination (demyelinating leukoencephalomyelitis), which results in the loss of myelin, which naturally protects nerve fibers. This leads to severe symptoms such as tics, incoordination, seizures, and others.

The distemper virus uses cytotoxic T lymphocytes as a vehicle by fusing with their membrane to reach the CNS, and the presence of both induces severe inflammation with the release of free radicals, resulting in myelin loss (demyelinating leukoencephalomyelitis). For this reason, immunostimulants, interferon, and vitamin C are contraindicated in this stage, as they stimulate the production of T lymphocytes.

Important video links to technically understand ACTINMUN:

Click on the box and you will see the video.

**Symptomatic
Treatment and
Immunostimulants**



Considering the above and according to our field studies, it is possible to reverse demyelinating leukoencephalomyelitis if we manage to eliminate the distemper virus or, in birds, the Newcastle virus with ACTINMUN NDV serum (see our many videos of dogs cured of nervous distemper). If the distemper virus is not eliminated in the neurological stage, the disease will remain severe, progressive, and irreversible, which may lead to death or severe disability, such as difficulty standing, incoordination, paralysis, etc.

ACTINMUN NDV serum can eliminate the distemper virus at the cellular level in dogs in the stages prior to nervous distemper. However, in this stage, its effectiveness decreases because the brain's protective barriers (blood-brain barrier) do not always allow ACTINMUN NDV serum to pass through.

9.1 ADVANTAGES OF ACTINMUN NDV SERUM:

We reduce costs, hospitalization time, and deliver more cured dogs to their owners with fewer sequelae. It transfers specific and immediate artificial passive immunity to eliminate the action of the distemper and Newcastle viruses.

In cases of nervous distemper treated with ACTINMUN-NDV serum, the chances of recovery increase significantly (otherwise, literature states that this stage is irreversible and progressive). This neurological stage remains critically severe (high risk of death due to the virus).

ACTINMUN NDV is harmless as it is a homologous serum.

ACTINMUN-NDV serum will increase your clients' confidence in you.



10. RECOMMENDATIONS FOR THE APPLICATION OF ACTINMUN NDV SERUM IN THE CISTERNA MAGNA:

The application in the Cisterna Magna can be performed by a competent veterinarian in your city or country or at the VetHidalgo Hospital in Atlixco, Puebla, Mexico (schedule an appointment at (+52)2444459888).

The procedure in dogs presents risks, which is why it is considered a last option to save the animal. There is a risk that the dog may die during anesthesia or in the days following the procedure due to the damage caused to the CNS by the virus and possible complications. After the procedure, the dog should receive antibiotics and symptomatic treatment for about 8 days and be kept in a dark and quiet environment.

11. PATHOGENESIS: TIMING AND MOVEMENT OF THE DISTEMPER VIRUS WHEN CONSIDERING PROGNOSIS:

In a case of distemper, the early stages of the disease are the best time to administer ACTINMUN NDV serum, that is, before the virus reaches the central nervous system. However, ACTINMUN NDV serum can be administered at any stage of the disease, but the prognosis will vary. After the onset of the disease, the virus can reach the brain between days 8 and 10, and nervous symptoms typically appear around day 21. Therefore, the best time to fight the virus with the greatest chances of success is within the first 8 days of the onset of the disease. Your case may be late, and ACTINMUN NDV serum should be administered even as a rescue therapy. In the nervous distemper stage, the dog's recovery depends on how its body responds to ACTINMUN NDV serum and whether it crosses the blood-brain barrier that protects the brain. If the serum crosses this barrier, healing will begin; if not, no improvement will be seen in the patient.



12. WHAT TO DO WHEN THE EXPECTED RESULTS ARE NOT OBTAINED IN NEUROLOGICAL DISTEMPER WITH NDV SERUM?

When there are positive changes in the neurological symptoms, but not enough, another session of 6 applications of ACTINMUN NDV can be administered subcutaneously in the inner thigh every 8-10 hours.

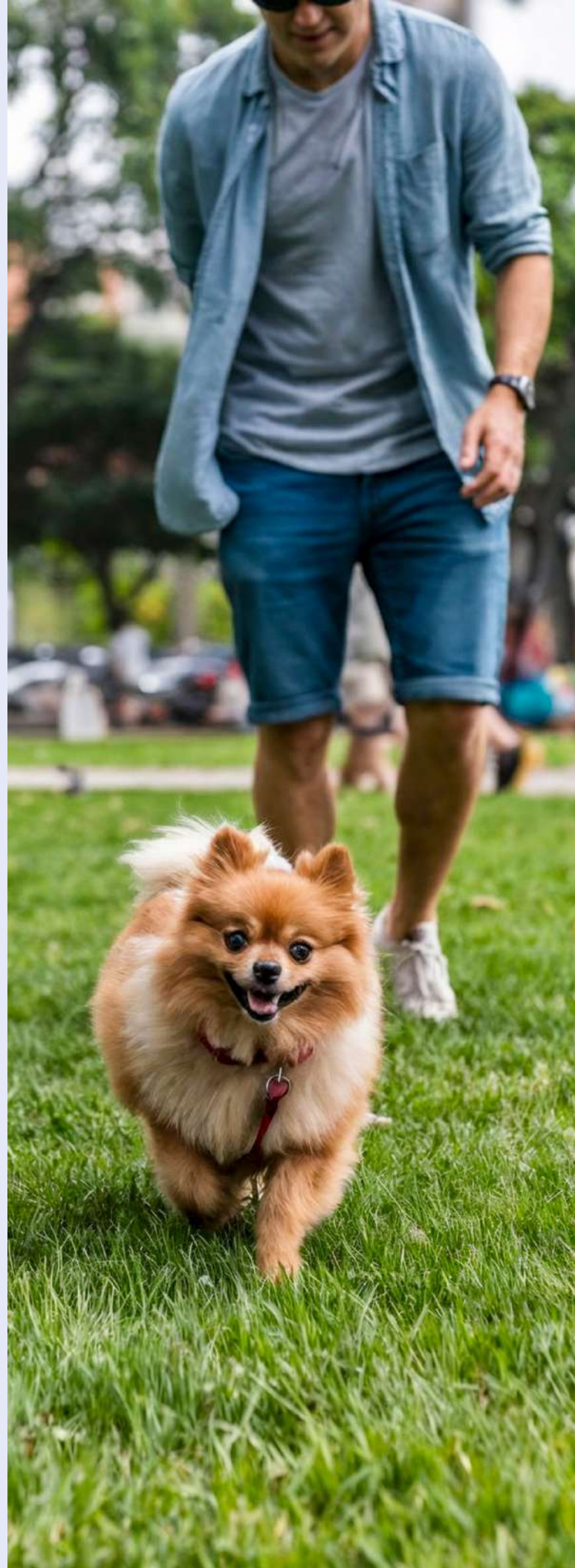
The last treatment option for neurological distemper when there is no improvement and the dog's condition is very severe is the application of ACTINMUN NDV serum in the Cisterna Magna (please reserve a dose from the start and keep it refrigerated or frozen).

Please follow the protocol for administering ACTINMUN NDV serum in the Cisterna Magna.

Resort to Neural Therapy where this therapy is accessible, or turn to acupuncture and/or other rehabilitation therapies.

In any case, do not re-vaccinate against distemper with live or attenuated distemper vaccines (to avoid reactivating the distemper virus).

However, recombinant vaccines can be used without any issues, even if they include the distemper virus.



PAYMENT METHODS NATIONAL OR INTERNATIONAL*

Bank deposit to HSBC in the account of Sara Leticia Hernández Hernández: 4058865783

For bank transfers to HSBC, interbank CLABE 021654040588657836 with BIMEMXMM code, in the name of Sara Leticia Hernández Hernández.

The address of HSBC bank is: Blvd. Niños Héroes 805, Revolución, 74270 Atlixco, Puebla, MEXICO.

Deposits at Oxxo: to the HSBC bank card: 4741764000461191 in the name of Sara Leticia Hernández Hernández.

You can also pay through BANCO AZTECA: in the name of Sara Leticia Hernández Hernández, by depositing in the account 96601385371437 or via interbank transfer with CLABE 127654013853714377, in the name of Sara Leticia Hernández Hernández.

Deposits at Oxxo to the Banco Azteca card: 4027666101105723 in the name of Sara Leticia Hernández Hernández.

Please send me, along with your payment receipt, the following information to the ACTINMUN phone number at (+52)2441105694:

Necessary details for shipping the package to your address:

Recipient's name(s)

Complete address, including postal code (mandatory)

Indicate which ACTINMUN or ACTINMUN NDV serum is required and the requested dosage.

Once your deposit is made, please send the payment receipt along with your details via WhatsApp to the ACTINMUN shipping department at (+52)2441149836 with a copy to the technical department (+52)2441105694 and/or by email to actinmun@gmail.com.

From Monday to Thursday, shipments are generally (with exceptions) for next-day delivery within Mexico, confirming your payment before 2:30 pm (by sending the payment receipt with your full address, including postal code, and the name of the person who will receive the ACTINMUN serum).

On weekends, ask about the delivery frequency via WhatsApp to the ACTINMUN shipping department at (+52)2441149836 or the technical department at (+52)2441105694. We also have bus shipments where applicable.

***IMPORTANT NOTE:**

Any payment method or account other than the following will not be accepted if it is a purchase for the main branch in Atlixco, Puebla.

However, if the purchase is for one of our authorized distributors listed in the manual, they will have their own accounts and banking details.



Videos - ACTINMUN NDV Success Stories Against Distemper

YouTube video links, **click on the boxes to open:**

**Cachirulo
Against
Distemper**

**Chelsea, a Dog from
Colombia Cured
of Distemper**

**Compilation of Distemper
Cases Cured with
ACTINMUN**

**Nervous Phase
Distemper with
ACTINMUN NDV**

**Dog Cured of
Distemper with
ACTINMUN**

**Massimo in Nervous
Phase Cured with
ACTINMUN NDV**

**Respiratory Phase
Distemper with
ACTINMUN NDV**

**Lucho's Fight
Against Distemper**

**Tizoc, a Dog Cured
of Distemper with
ACTINMUN NDV**

**Dog
vs.
Distemper**

**Several Cases
of Nervous
Distemper Cured**

See More Videos at:



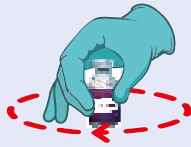
TikTok

Instructions; Subcutaneous Application*:

1. Reconstitute **ACTINMUN NDV** serum with injectable water according to the amount indicated on the serum.

 ACTINMUN NDV Sero Inyectar Antimorbilivirus	Agua Inyectable
6.5 ml	6.5 ml
12.5 ml	12.5 ml
18.5 ml	18.5 ml
30.5 ml	30.5 ml
36.5 ml	36.5 ml
42.5 ml	42.5 ml

2. Use **gentle movements** to homogenize the serum.

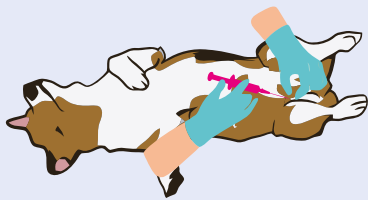


3. **Determine the weight** and recommended dosage for application.

PESO DE PERRO EN KG	PRESENTACIÓN	DOSIS C/ 12 hrs
1- 5	12 ml	2 ml
5-10	18 ml	3ml
10-15	24 ml	4ml
15-20	30 ml	5ml
20-25	36 ml	6ml
25-30	42 ml	7ml

4. SUBCUTANEOUS APPLICATION:

Apply in the inner thigh in the most anterior region (furthest from the tail) every 8-10 hours, 6 times, alternating between the left and right thigh.

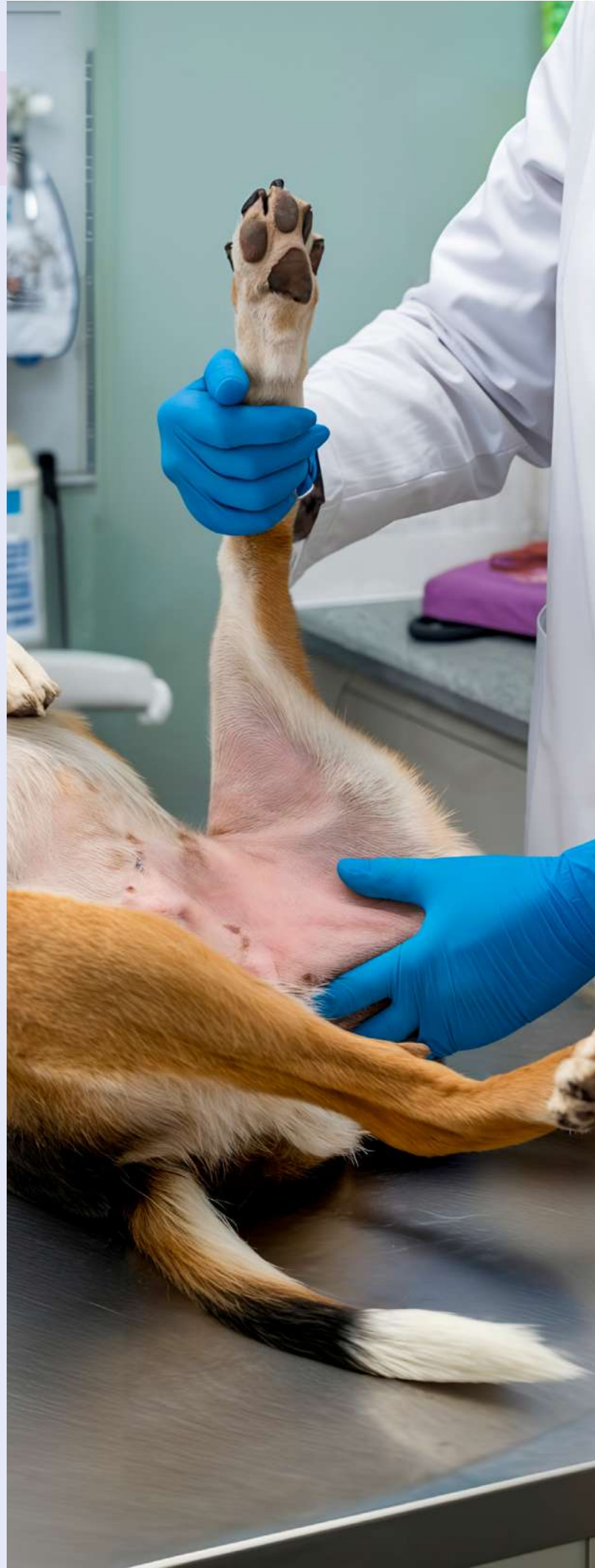


The remaining reconstituted serum should be stored in refrigeration between 2-5 °C until used again.

Note: The lyophilized (powder) serum does not require refrigeration but will be better preserved if frozen.

Application should follow the protocol indicated in the following link:

**Subcutaneous
Application of
ACTINMUN NDV**



Protocol for the Application of ACTINMUN NDV in the Cisterna Magna for Severe Nervous Distemper Cases:

Click on the box and you will see the video.

Cisterna Magna Application with ACTINMUN NDV

Have a syringe prepared with the necessary ml of ACTINMUN NDV on a cold surface, and another sterile syringe without a needle and without a plunger to collect cerebrospinal fluid.

Make sure you have spinal needles or green needles available (have several on hand).

1. Prepare the personnel, the patient, and the anatomical area as if for a surgical procedure in the area of the skull, neck, and ears, ensuring that no traces of iodine remain (the dog must be under anesthesia).

2. Locate the Cisterna Magna using the demonstration video as a model.

3. Insert the needle slowly until you “feel” it penetrate and observe the drops of cerebrospinal fluid starting to come out.

4. Collect an amount of cerebrospinal fluid close to or equivalent to the planned dose of ACTINMUN NDV to be applied (0.5 ml, 1 ml, 2 ml, up to a maximum of 3.5 ml in dogs over 30 kg).

Discard the collected cerebrospinal fluid.

5. Remove the needle and momentarily place an alcohol-soaked cotton ball with slight pressure.

6. Continue with fluid therapy and symptomatic treatment accompanied by antibiotics.

Keep the dog in a quiet, dimly lit place while providing symptomatic treatment.

Watch the demonstration video for the application technique, but follow the dosages as indicated in the previous instructions.

For any questions or clarifications, we are at your service at (+52)2441105694.

Hospital Vethidalgo in Atlixco Puebla, Mexico:
(+52)244 445 9888.



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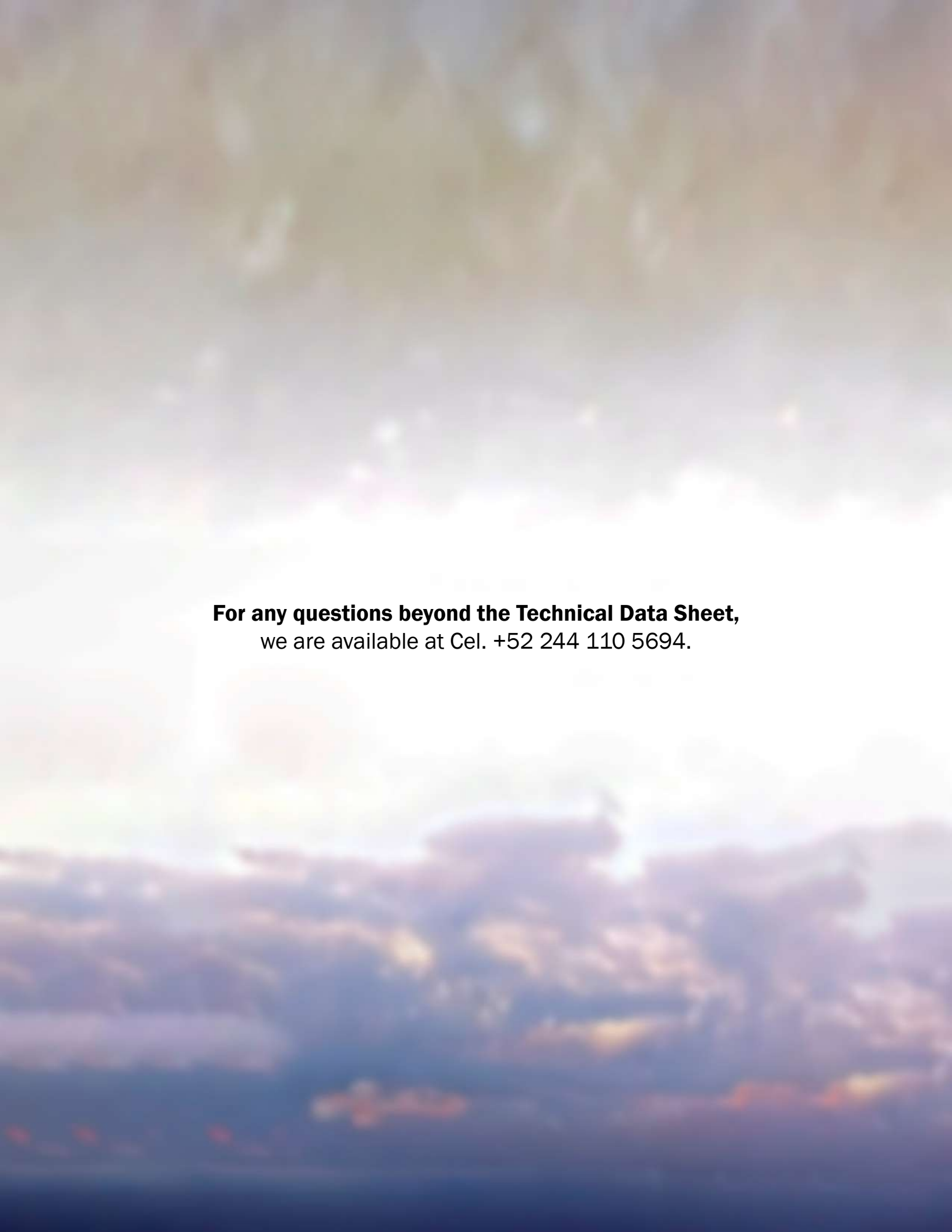
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