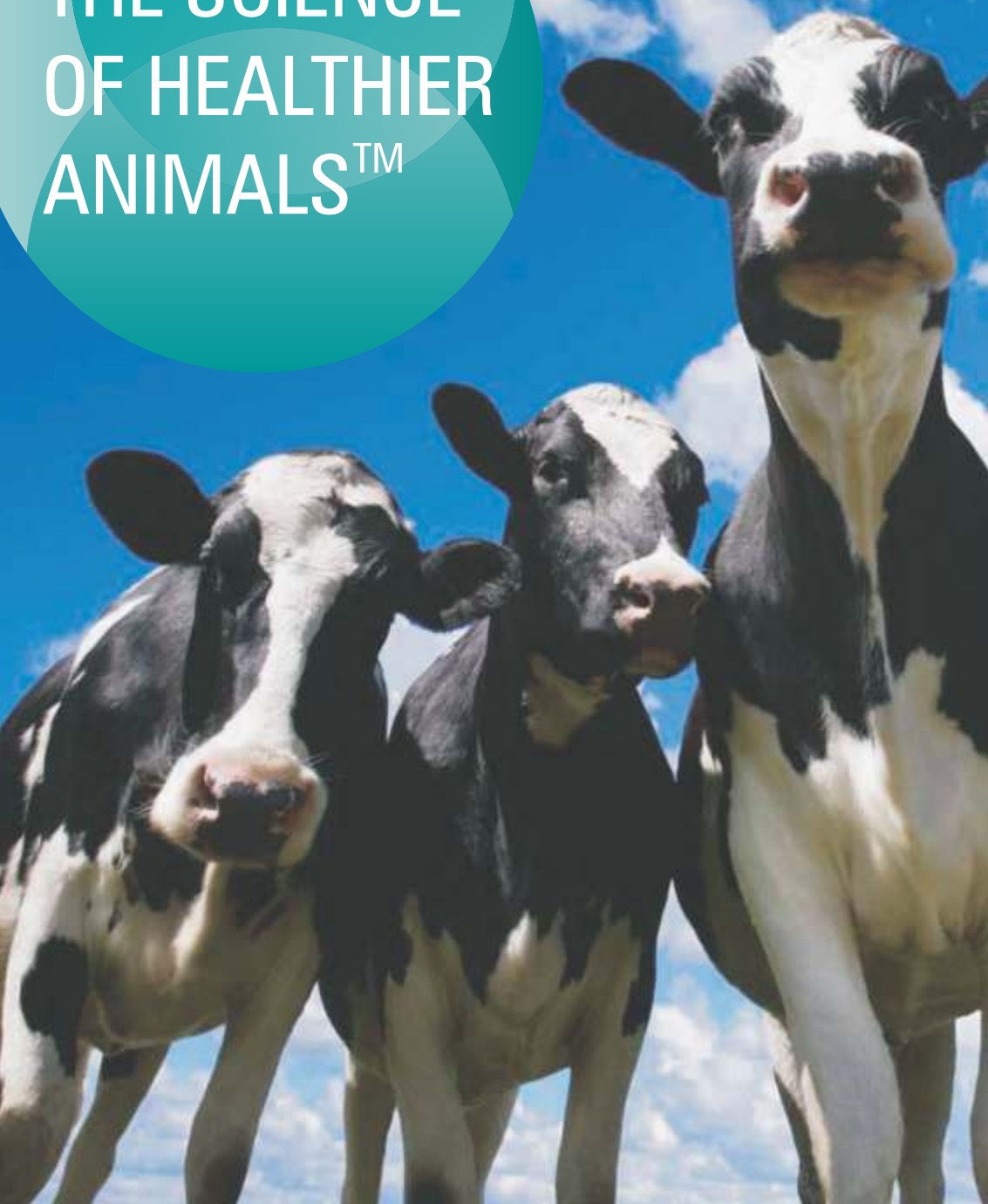




**MSD**

Animal Health

# THE SCIENCE OF HEALTHIER ANIMALS™



**Ruminant Product Information Booklet**

## Ruminant Health Platforms



### Parasite Control

#### *Better Control - Greater Gains*

The Parasite Control platform contains a broad range of globally leading and highly efficient antiparasitic products that will help the farmer to control the main internal and external parasites of cattle, sheep and goats. Parasite populations differ considerably in various geographic zones. Veterinary practitioners will find here many products that can be combined to address the unique parasite challenge and treatment conditions of a particular herd.

#### **Ectoparasiticides:**

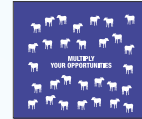
**butox<sup>®</sup>Vet**, **Taktic<sup>®</sup>**

#### **Endoparasiticides:**

**Panacur<sup>®</sup>VET**, **Tolzan<sup>®</sup> F VET** and **Tolzan<sup>®</sup> Plus-L**

#### **Antiprotozoal:**

**Berenil<sup>®</sup> RTU**, **Butalex<sup>®</sup>**, **Advanto<sup>®</sup>**



### Partners in Reproduction

#### *Multiply Your Opportunities*

We have a broad portfolio that is embraced by the platform. Knowing however the most burning needs of our clients Partners in Reproduction will operate in 3 main product lines - as indications.

#### **Estrus management:**

**Receptal<sup>®</sup>VET**, and **Estrumate<sup>®</sup>**

#### **Fertility improvement:**

**Receptal<sup>®</sup>VET**, **CHORULON<sup>®</sup>**, **Tonophosphan<sup>®</sup>VET**,

**VM<sup>all</sup> Chelated** and **BIOPLEX<sup>®</sup>**

#### **Uterine health:**

**METRICEF<sup>®</sup>**, **Estrumate<sup>®</sup>**, **TEFROCEF<sup>®</sup>**



### Udder Health

#### *Quality in Every Drop*

Intensive milk production puts special demands on the management of the health of the udder. Prevention of mastitis and treatment of udder infections can be carried out with our products in a programmed and economically advantageous way that also contributes to the animal welfare.

#### **Intramammary:**

**C@BACTAN<sup>®</sup> LC** and **YELINTRA<sup>®</sup>**

#### **Injectable:**

**C@BACTAN<sup>®</sup> 2.5%**, **Floxidin<sup>®</sup>**, **Floxidin<sup>®</sup> LA**,

**Finadyne<sup>®</sup>** and **Finadyne<sup>®</sup> Transdermal**

#### **Supportive:**

**Vetalgin<sup>®</sup>VET**, **Avilin<sup>®</sup>VET** and **Prednisolone**

#### **Dry cow therapy:**

**Cepravin<sup>®</sup>**  
Dry cow



### Herd Health

#### *Creating Conditions for Lasting Growth*

Our company has a broad range of products which help to control the main infectious diseases that can affect cattle herds. The portfolio is not only very complete but also includes innovative and highly differentiated products. Knowing the unique epizootic and managerial conditions of a given herd the animal health professionals can select from this range appropriate products to form a comprehensive and tailor-made herd health program.

#### **Supportive:**

**Tonophosphan<sup>®</sup>VET**, **VM<sup>all</sup>**, **VM<sup>all</sup>-P**, **Chelated LactAid<sup>®</sup> Forte**,

**Transmix<sup>®</sup>**, **Rumicare<sup>®</sup>Vet**, **BIOPLEX<sup>®</sup>**,

**YEA-SACC<sup>®</sup> BOLUS** and **VM<sup>all</sup> Chelated**

# H O R M O N E S

## CHORULON®



COMPOSITION	INDICATIONS	DOSAGE	PRESENTATION
Each vial contains human Chorionic Gonadotrophin (hCG) as a white freeze-dried crystalline powder (1500 IU)	<ul style="list-style-type: none"> <li>Improvement of conception rate (cows/buffaloes)</li> <li>Enhancement of luteal function post AI</li> <li>Cystic Ovarian Disease (anoestrus, prolonged estrus, nymphomania)</li> <li>Induction of ovulation (mares)</li> </ul>	1500 IU at AI or mating, IM or IV 1500 IU, 4-6 days post AI, IM 3000 IU, IV 1500-3000 IU, IM or IV, 24 hours before AI/mating	Box containing 5 vials (1500 IU each) with 5 vials of solvent  WITHDRAWAL PERIOD Milk : 0 (Zero) days Meat : 0 (Zero) days

## Estrumate®

Global Leader in PGF2 Segment



COMPOSITION	INDICATIONS	DOSAGE	PRESENTATION
Each ml of Estrumate contains 263 mcg of Cloprostenol sodium, equivalent to 250 mcg of Cloprostenol.	Induction of luteolysis in dairy cattle and horses- <ul style="list-style-type: none"> <li>Anestrus</li> <li>Subestrus</li> <li>Luteal Cyst</li> <li>Pyometra</li> <li>Persistent Corpus Luteum (PCL)</li> <li>Chronic Endometritis</li> <li>Expulsion of Mummified Foetus</li> <li>Termination of Pregnancy</li> <li>Induction of parturition</li> <li>Synchronization of Estrus</li> </ul>	Cattle : 2.0 ml by IM route Ponies : 0.5-1.0 ml by IM route Thoroughbreds, hunters and heavy horses 1.0-2.0 ml by IM route	Available in 20 ml vial  WITHDRAWAL PERIOD: Milk : 0 (Zero) days Meat : 0 (Zero) days

## Receptal® VET.

The most potent GnRH analogue world-wide



COMPOSITION	INDICATIONS	DOSAGE	PRESENTATION
Each ml contains : Buserelin acetate 0.0042 mg equivalent to 0.004 mg buserelin.	<ul style="list-style-type: none"> <li>True anoestrus</li> <li>Improvement of conception rate (at the time of AI)</li> <li>Ovarian cyst (Follicular), Irregular oestrus, Nymphomania</li> <li>Delayed ovulation &amp; Anovulation</li> <li>Improvement of pregnancy rate (11-12 days post AI)</li> <li>Improvement of post partum fertility (10-15 days post-calving)</li> </ul>	5 ml, IM 2.5 ml, IM 5 ml, IM 2.5 ml, IM 2.5 ml, IM 5ml, IM	Vial of 2.5 ml, 5 ml & 10 ml  WITHDRAWAL PERIOD Milk : 0 (Zero) days Meat : 0 (Zero) days

## Intra-Uterine Suspension


### METRICEF™


Globally available I.U. therapy





COMPOSITION	INDICATIONS	DOSAGE	PRESENTATION
Each single dose syringe of 19 g contains: 500 mg cephapirin (as benzathine), excipient to 19 g.	<ul style="list-style-type: none"> <li>Subacute/chronic endometritis in cows over 14 days postpartum</li> <li>Repeat breeders (3 or more unsuccessful inseminations).</li> </ul>	Single dose syringe to be administered intra-uterinely	Single dose (19 g) syringe provided with a separate disposable catheter and a glove.  WITHDRAWAL PERIOD Meat & Offals : 24 hrs Milk : 0 days

# ANTI-INFECTIVE

Cepravin®				
COMPOSITION		INDICATIONS	DOSAGE	PRESENTATION
 <p>Each 3 gm syringe contains 250 mg Cefalonium dihydrate as active ingredient</p>		<ul style="list-style-type: none"> <li>For routine dry cow therapy to treat existing sub-clinical infections</li> <li>Prevent new infections during dry period</li> </ul>	One syringe should be infused into the teat canal of each quarter immediately after the last milking of lactation	<p>3 gm syringe and each box contains 20 units</p> <p>WITHDRAWAL PERIOD: Milk : 54 days after last treatment plus 96 hours after calving. Meat &amp; offals : Zero days</p>

COBACTAN® 2.5%				
COMPOSITION		INDICATIONS	DOSAGE	PRESENTATION
 <p>Each ml of suspension contains 29.64 mg Cefquinome Sulphate (equivalent to 25 mg Cefquinome).</p>		<p>Cattle</p> <ul style="list-style-type: none"> <li>Respiratory disease caused by <i>Pasteurella multocida</i> and <i>Mannheimia haemolytica</i></li> <li>Digital dermatitis, infectious bulbar necrosis and acute interdigital necrobacillosis (foul in the foot)</li> <li>Acute <i>E. coli</i> mastitis with signs of systemic involvement</li> </ul> <p>Calf</p> <ul style="list-style-type: none"> <li><i>E. coli</i> septicaemia</li> </ul>	<p>1 mg cefquinome/kg bw IM (2ml/50 kg bw)</p> <p>1 mg cefquinome/kg bw IM (2ml/50 kg bw)</p> <p>1 mg cefquinome/kg bw IM (2ml/50 kg bw)</p> <p>2 mg cefquinome/kg bw IM (4ml/50 kg bw)</p>	<p>50 ml multidose vial.</p> <p>Withdrawal Period : Cattle: Meat-5 days Milk -1 day Pig : Meat-3 days</p>

COBACTAN® LC				
COMPOSITION		INDICATIONS	DOSAGE	PRESENTATION
 <p>Each syringe contains 75 mg Cefquinome sulphate as active ingredient.</p>		<p>For the treatment of clinical mastitis in lactating cows caused by <i>Staphylococcus aureus</i>, <i>Streptococcus uberis</i>, <i>Streptococcus dysgalactiae</i>, <i>Escherichia coli</i> &amp; other entero-bacteria susceptible to cefquinome.</p>	<p>Gently infuse the contents of one syringe into the teat canal of the infected quarter every 12 hours after each of 3 successive milkings.</p> <p><b>Directions for use:</b> Milk out the affected quarter(s). After thoroughly cleaning &amp; disinfecting the teat &amp; teat orifice, gently infuse the contents of one syringe into the affected quarter.</p> <p>Disperse the product by gently massaging the teat &amp; udder of the affected animal.</p>	<p>Box of 3 injectors with 3 isopropyl alcohol soaked towels</p> <p>WITHDRAWAL PERIOD Milk : 84 hours Meat : 2 days</p>

Floxin™ LA (Vet)				
COMPOSITION		INDICATIONS	DOSAGE	PRESENTATION
 <p>Each ml contains: Enrofloxacin IP (Vet) : 100 mg Benzyl Alcohol : 2% v/v</p>		<ul style="list-style-type: none"> <li><b>Systemic Infections</b> - Mastitis, Metritis, Pneumonia, Gastro-intestinal infections</li> <li><b>Soft Tissue infections</b> - Wounds, Post Surgical recovery, supportive treatment in cases of FMD</li> </ul>	Administer at the dose rate of 7.5-12.5 mg per Kg bw (1 ml per 8-13 Kg bw) IM or SC as a single dose. If required repeat after 48-72 hrs.	<p>Available in 50 ml</p> <p>WITHDRAWAL PERIOD: Milk : 84 hrs. Meat : 14 days</p>

# ANTI-INFECTIVE

## Floxidin™ VET



COMPOSITION	INDICATIONS	DOSAGE	PRESENTATION
<p>Floxidin 10% injection :</p> <p>Each ml contains - Enrofloxacin 100 mg</p>	<ul style="list-style-type: none"> <li>- Alimentary canal infections e.g. Enteritis, calf scours.</li> <li>- Respiratory tract infections e.g. Pneumonia</li> <li>- Urogenital system infections e.g. Metritis, cystitis</li> <li>- Skin problems e.g. Bacterial dermatitis, pyoderma.</li> <li>- Mastitis, &amp; Haemorrhagic Septicaemia.</li> </ul>	<p>Floxidin can be given once daily, for 3-5 days.</p> <p>Cattle, Sheep &amp; Goat 2.5-5 mg/kg body weight IM</p> <p>Dog/Cat (adult) 5 mg/kg body weight IM</p> <p>Camel 2.5 mg/kg body weight IM</p>	<p>15 ml, 50 ml and 100 ml</p> <p>WITHDRAWAL PERIOD Milk : 3.5 days Meat : 14 days</p>

## TEFROCEF™



COMPOSITION	INDICATIONS	DOSAGE	PRESENTATION
<p>Ceftiofur Sodium sterile powder equivalent to Ceftiofur.....1g</p> <p>One ampoule of sterile water for Inj. IP .....20ml</p>	<ul style="list-style-type: none"> <li>• Genital infections of cattle &amp; buffalo (acute metritis, cervicitis, vaginitis, prolapse related to ROP cases etc) associated with <i>Arcanobacterium pyogens</i>, <i>Fusobacterium necrophorum</i> and <i>Bacteroides spp.</i></li> <li>• Respiratory diseases of cattle, buffalo, sheep and goat (shipping fever, pneumonia) associated with <i>Pasteurella haemolytica</i>, <i>Pasteurella multocida</i> and <i>Haemophilus somnus spp.</i></li> <li>• Acute interdigital necrobacillosis (Foot rot, Pododermatitis) caused by <i>Fusobacterium</i> &amp; <i>Bacteroides</i>.</li> </ul>	<p>Cattle, Buffalo, Sheep &amp; Goat : 1.1 to 2.2 mg ceftiofur per kg body weight by IM route for 3 to 5 days.</p>	<p>Available in 1 g vial with 20 ml sterile water for injection, disposable syringe and needle.</p> <p>WITHDRAWAL PERIOD (S) Meat : 4 days Milk : 0 days</p>

## Tetracycline Hydrochloride WSP VET



COMPOSITION	INDICATIONS	DOSAGE	PRESENTATION
<p>Each gm contains Tetracycline Hydrochloride WS I.P. 50 mg</p>	<p>In Sheep &amp; Goat : Pneumonia, Joint ill, Anthrax, Septicaemia, Contagious Caprine Pleuro-Pneumonia, Scours, Acute Mastitis, Acute Metritis,</p> <p>In Cattle : Infectious diseases like Haemorrhagic septicaemia, Anthrax, Black Quarter, Leptospirosis, Foot Rot &amp; Contagious Bovine Pleuro-Pneumonia, Calf Scours, Calf Diphtheria, Pneumonia, Septicaemia, Acute Metritis, Acute Mastitis.</p>	<p>Sheep &amp; Goat : 1 gm/kg body weight</p> <p>Cattle : 2.5-5 gm/15kg body weight for 5 days</p>	<p>Sachet of 100 grams</p> <p>WITHDRAWAL PERIOD Milk : 7 days Meat : Cattle-22 days, Poultry-5 Days Pig, Sheep, Goat-28 days</p>

## YELINTRA™



COMPOSITION	INDICATIONS	DOSAGE	PRESENTATION
<p>Per syringe of 8 gm contains :</p> <p>Tetracycline HCL 200 mg</p> <p>Neomycin base (as sulphate) 250 mg</p> <p>Bacitracin 2000 IU</p> <p>Prednisolone 10 mg</p>	<p>Intramammary administration for therapeutic treatment of clinical mastitis caused by sensitive microorganisms (<i>S. aureus</i>, <i>Streptococci</i>, <i>E.coli</i>, <i>Klebsiella spp.</i>, <i>A. pyogenes</i>)</p>	<p>Intramammary administration of one syringe per infected quarter every 12 hours. Maximum treatment is four administrations.</p>	<p>Box of 1 sachet of 4 intramammary syringes &amp; cleaning towel</p> <p>WITHDRAWAL PERIOD Meat and offal : 14 days Milk : 96 hours (8 milkings)</p>

# PARASITE CONTROL

## Advanto®



COMPOSITION	INDICATIONS	DOSAGE	PRESENTATION
Each ml contains: Doramectin .....10 mg BHT (Butylated Hydroxytoluene) .....0.3 mg Sesame Oil Q.S. ....1 ml	<ul style="list-style-type: none"> <li>Treatment and control of gastrointestinal (adults and 4th stage larvae) and pulmonary parasites</li> <li>Treatment and control of ticks (single host), myiasis (worms), fly larvae, lice and mites.</li> </ul>	Cattle, Sheep & Goat: 1 ml /50 Kg B. Wt. by SC or IM route. Swine: 1 mL /33 Kg B. Wt by IM route.	Available in 20 ml & 50 ml vials Withdrawal Period: Cattle - Meat: 28 days, Milk: 10 days Sheep and Goat Meat: 28 days, Milk: 07 days Swine - Meat: 28 day

## Butalex™



COMPOSITION	INDICATIONS	DOSAGE	PRESENTATION
Each mL contains: Buparvaquone.....50 mg Sorbitan Mono oleate Ph. Eur. (As preservative) .....100 mg Oily base .....Q.S.	Treats all forms of theileriosis. Active against schizonts and piroplasms. Effective during the incubation period (prophylaxis) Short milk withdrawal time Can be used with other antiprotozoals to treat mixed infections.	For treatment & prophylaxis 2.5 mg per kg or 1 ml per 20 kg body weight deep IM route only.  In severe cases repeat treatment within 48-72 hours after initial injection.	Available in 20 ml vial.  Withdrawal period: Milk : 48 hours Meat : 42 days

## Berenil® VET 7% RTU

As treatment & control therapy of Babesiosis, Trypanosomiasis and Theileriosis



COMPOSITION	INDICATIONS	DOSAGE	PRESENTATION
Each ml contains : Diminazine Aceturate 70 mg Phenazone B. P. 375 mg	Babesiosis & Trypanosomiasis, Tenacious Trypanosomiasis, Theileriosis & mixed infections, Pyrexia of Unknown Origin	Babesiosis and Trypanosomiasis at 5-10 ml per 100 kg b.w. Resistant strains of Trypanosomiasis at 10 ml per 100 kg b.w. Theileriosis & Mixed infections at 5 -10 per ml 100 kg b.w. along with antibiotic (3-4 antibiotic injections on alternate days)	Amber coloured vials of 20 ml, 30 ml and 90 ml  WITHDRAWAL PERIOD Milk : 3 days Meat : 20 days

## butox® Vet

Highly effective & safe ectoparasiticide only for external use.  
Ideally suited for control of ticks, mites, lice & flies of livestock, poultry, dogs & farm houses.



COMPOSITION	INDICATIONS	DOSAGE	PRESENTATION
Each ml contains : Deltamethrin IP 12.5mg	To control ticks, mites, fleas & lice of cattle, sheep, goats, horses, camels, dogs & farm houses.	Spray or dip : Ticks : 2 ml/lit Mites : 4 ml/lit Flies : 2 ml/lit Lice : 1 ml/lit	Aluminium container of 5 ml, 15ml, 50 ml, 250 ml and 1 lit with plastic measuring cup  WITHDRAWAL PERIOD Milk : 0 (Zero) day Meat : 20 days

## Panacur® 2.5% Suspension (VET)



COMPOSITION	INDICATIONS	DOSAGE	PRESENTATION
Each ml of Panacur 2.5% suspension contains 25 mg Fenbendazole.	Infestation of cattle, buffaloes, sheep & goats with gastrointestinal nematodes lungworms & tape worms such as <i>Hoemonchus spp.</i> , <i>Ostertagia spp.</i> , <i>Trichostrongylus spp.</i> , <i>Cooperia spp.</i> , <i>Nematodirus spp.</i> ,	For gastrointestinal nematodes & lungworms of cattle, buffaloes, sheep, goats & pigs infestation : (5 mg Fenbendazole per kg body weight)	450 ml and 1 lit HDPE bottle pack of Panacur 2.5% suspension.  WITHDRAWAL PERIOD : Milk : 4 days Meat : 8 days for large animals, 14 days for sheep & Goat



# PARASITE CONTROL

## Panacur® 25% Wettable powder (vet)



COMPOSITION	INDICATIONS	DOSAGE	PRESENTATION
Each gram contains Fenbendazole I.P (Vet) 250 mg	Infestations of cattle, buffaloes, Sheep & goats with gastro-intestinal nematodes, lungworms & tapeworms such as <i>Haemonchus spp.</i> , <i>Ostertagia spp.</i> , <i>Trichostrongylus spp.</i> , <i>Cooperia spp.</i> , <i>Nematodirus spp.</i> , <i>Neoascaris vitulorum</i> , <i>Oesophagostomum spp.</i> , <i>Chabertia spp.</i> , <i>Bunostomum spp.</i> , <i>Gaigeria pachyscelis</i> , <i>Capillaria</i> , <i>Trichuris spp.</i> , <i>Strongyloides spp.</i> , <i>Dictyocaulus filaria</i> , <i>Dictyocaulus viviparus</i> , <i>Moniezia spp.</i> , Infestation of dogs with <i>Ancylostoma spp.</i> , Infestation of horses with strongyles, <i>Ascarids</i> , <i>Ascarids (Parascaris)</i> , <i>Oxyuris</i> & <i>Strongyloides</i> Infestation of pigs with <i>Hyostrongylus rubidus</i> , <i>Oesophagostomum spp.</i> , <i>Ascaris suum</i> , <i>Trichuris suis</i> & <i>Metastrongylus spp.</i>	For gastrointestinal nematodes & lungworms of cattle, sheep, goat & pigs. Infestation with : (5 mg Fenbendazole per kg body weight) Suspension to be made by mixing clean water as: 6 g with 100 ml 60 g with 1 lit. 120 g with 2 lit.	6 g sachet, 60 g & 120 g container  WITHDRAWAL PERIOD: Milk : 4 days Meat : 8 days for large animals, 14 days for sheep & Goat

## Taktic® 12.5% EC

Broad spectrum ectoparasiticide against ticks, mites, lice & keds



COMPOSITION	INDICATIONS	DOSAGE	PRESENTATION
Each ml contains : Amitraz I.P. (Vet) 125 mg	1. For prevention & control of ectoparasitic infestation like ticks, mites, lice & keds in cattle, sheep, goat, camel & pig. 2. Taktic kills tick, mite and lice. 3. Taktic kills organochlorine, organophosphate & pyrethroid resistant strains of ectoparasites.	Taktic 12.5%/lit of water for ticks : Cattle/Bufaloes/Camel: 2.0 ml Sheep/Goat : 4.0 ml Pigs : 4.0 ml  Taktic 12.5%/L of water for mites and keds : Cattle / Camel : 2.0 ml Sheep/Goat : 4.0 ml Pigs : 4.0 ml	Tin Container of 6 ml, 15 ml, 50 ml & 250 ml with plastic measuring cup  WITHDRAWAL PERIOD Milk : 4 milking/2 days Meat : 1 day for Cattle & Goats 7 days for Pigs & Sheep

## Tolzan® Plus-L



COMPOSITION	INDICATIONS	DOSAGE	PRESENTATION
Oxyclozanide I.P. - 3.4% w/v Levamisole Hydrochloride I.P. - 2.5% w/v	<ul style="list-style-type: none"> <li>Tolzan Plus-L treats the round worms and liver flukes in cattle, sheep and goats</li> <li>Tolzan Plus-L controls adult and immature stages of conical flukes also (<i>Paramphistomum spp.</i>)</li> <li>Tolzan Plus-L can be used safely in pregnant animals during all stages of pregnancy.</li> <li>Tolzan Plus-L can safely be given to all cattle, sheep and goats without any pre-dosing, starving or change of diet.</li> </ul>	Cattle: 90 ml for 300 kg live mass PO Sheep and goats: 9 ml for 30 kg live mass PO	120 ml HDPE bottle, 1 Ltr can  WITHDRAWAL PERIOD Milk : 7 days Meat : 14 days

## Tolzan® F VET



COMPOSITION	INDICATIONS	DOSAGE	PRESENTATION
Each ml of suspension contains Oxyclozanide I.P (Vet) suspension of 34 mg	1) Tolzan F is used in the treatment of acute & chronic Fascioliasis in cattle, buffaloes, sheep & goats. The important species are : a) <i>Fasciola hepatica</i> b) <i>Fasciola gigantica</i> 2) Tolzan -F is also used to treat paramphistomiasis. The species involved are : <i>P. microbrothriodes</i> , <i>P. microbrothridium</i> , <i>P. gotal</i> , <i>P. orthocoelium</i> 3) Tolzan -F also acts on <i>Monezia</i> tapeworm in sheep.	Cattle & Buffalo : Orally 10-15 mg/kg body weight Sheep & Goat: Orally 15 mg/kg body weight	90 ml HDPE bottle & 1 Ltr jerry can.  WITHDRAWAL PERIOD Milk : 7 days Meat : 14 days

# PARASITE CONTROL

## Panacur® VET



COMPOSITION	INDICATIONS	DOSAGE	PRESENTATION
<p>The active ingredient of Panacur is Fenbendazole which is the research product of Intervet/Schering-Plough Animal Health.</p> <p>Each 1.5 g Bolus contains 1.5 g of active Fenbendazole.</p> <p>Each 3.0g Bolus contains 3.0g of active Fenbendazole.</p> <p>Each 150 mg tablet contains 150 mg of active Fenbendazole.</p>	<p>Infestation of cattle, buffaloes, sheep, goat &amp; horses with gastro-intestinal nematodes, lungworms &amp; tapeworms such as <i>Haemonchus spp.</i>, <i>Ostertagia spp.</i>, <i>Trichostrongylus spp.</i>, <i>Cooperia spp.</i> and <i>Nematodirus spp.</i></p>	<p>Recommended for cattle, sheep, goat, horses &amp; pigs.</p> <p>Panacur 150 mg tablet per 30 kg body weight &amp; Panacur 1.5 gm bolus per 300 kg body weight, Panacur 3.0g bolus per 600 kg body weight (5 mg Fenbendazole per kg body weight).</p> <p>Dose for horses : 7.5mg/kg bw</p>	<p>Box of 15 x 2' - 1.5 gm bolus</p> <p>Box of 10 x 1' - 3 gm bolus</p> <p>Box of 5 x 10' - 150 mg tablets.</p> <p>WITHDRAWAL PERIOD : Milk : 4 days Meat : 8 days for large animal, 14 days for Sheep &amp; Goat</p>

## SUPPORTIVES NSAID

### Finadyne®



COMPOSITION	INDICATIONS	DOSAGE	PRESENTATION
<p>Each ml contains: Flunixin Meglumine IP 83 mg, Equivalent to Flunixin 50 mg</p>	<ul style="list-style-type: none"> <li><b>In Cattle, Sheep, Goat, Camel:</b> For the control of inflammation and pyrexia associated with mastitis, respiratory disease and metritis.</li> <li><b>In Horse:</b> For the alleviate of inflammation and pain associated with musculo-skeletal disorders.</li> <li><b>In Dogs:</b> For use to alleviate Fever, Inflammation, endotoxemia or Sepsis.</li> </ul>	<p><b>Cattle, Sheep, Goat and Camel:</b> 1.1 mg to 2.2 mg Flunixin per kg body weight or 1 to 2 ml of Finadyne injection per 45 kg body weight given by slow intravenous or intramuscular administration.</p> <p><b>Horses:</b> by slow intravenous injection for Musculo-skeletal disorder at rate of 1 ml per 45 kg bodyweight (1.1 mg Flunixin/kg) one daily for up to 5 days.</p> <p><b>Dog:</b> by Intramuscular or slow intravenous at dose of 0.5-1 mg/kg body weight as a single dose or necessary once a day for not more than 3 days.</p>	<p>Available in 20 ml &amp; 100 ml bottle</p> <p>WITHDRAWAL PERIOD Cattle - Milk: 24 hours after last treatment Meat: 5 days from the last treatment Horse - Meat: 7 days from last treatment Pig - Meat 22 days from last treatment</p>

### Finadyne® Transdermal



COMPOSITION	INDICATIONS	DOSAGE	PRESENTATION
<p>Each mL contains:</p> <p>Flunixin meglumine : 83 mg</p> <p>Levomethol : 50 mg</p> <p>Allura red AC E129 : 0.2 mg</p>	<p>For alleviation of clinical signs such as pain, fever and inflammation associated with Mastitis, BRD and other inflammatory conditions</p>	<p>1ml/15 kg body wt.</p> <p>Pour on animal's midline from Withers to all.</p>	<p>100 ml calibrated bottle</p> <p>Withdrawal period: Milk : 36 hours Meat : 7 days</p>

### Vetalgin™ VET

Highly effective analgesic, antispasmodic, antirheumatic & antipyretic agent.



COMPOSITION	INDICATIONS	DOSAGE	PRESENTATION
<p>Each ml contains :</p> <p>Analgine I.P. 0.5 g</p> <p>Chlorbutol (as bacteriostat) 0.4% w/v</p>	<p>For relief from pain, fever, labour, spastic condition of cervix during parturition, rheumatic conditions, neuritis, neuralgia, retention of placenta, dysentery, bloat &amp; gastritis in domestic animals.</p>	<p>Preferably intravenous, otherwise intramuscular or combination of IV/IM injection.</p> <p>Horse : 20-60 ml</p> <p>Cattle : 20-40 ml</p> <p>Foal, Calf : 5-15 ml</p> <p>Sheep, Goat : 2-8 ml</p> <p>Pig : 10-30 ml</p> <p>Dog : 1-5 ml</p>	<p>Vial of 33 ml</p> <p>WITHDRAWAL PERIOD Milk : 2 days Meat : Cattle 12 days/Pig 3 days &amp; Horse IV 5 days</p>



# SUPPORTIVES

## YEA-SACC® BOLUS



COMPOSITION	INDICATIONS	DOSAGE	PRESENTATION
<p>Live Yeast of <i>Saccharomyces cerevisiae</i> 1026</p> <p>Probiotic Value per 6g Bolus : (25 billion (25 x 10<sup>9</sup>) cells per bolus</p>	<p>Rumen dysfunction, rumenotomy.</p> <p>In summer, during heat stress.</p> <p>When oral antibiotic treatment is given.</p> <p>During feed transition.</p> <p>In ruminal acidosis/lameness.</p> <p>Anorexia (off feed).</p>	<p>Cattle / Buffalo: 2 boli per day</p> <p>Sheep / Goat / Calves: 1 bolus per day or as directed by the veterinarian</p>	<p>Available in a strip of 4 boli and box of 25 strips.</p>

## Rumicare® Vet

Normalises milk production by restoring ruminal activity.



COMPOSITION	INDICATIONS	DOSAGE	PRESENTATION
<p>Each gm powder contains :</p> <p>Calcium Propionate 480.00 mg</p> <p>Methionine 40.00 mg</p> <p>Picrorhiza Dry Extract 2.00 mg</p> <p>Cobalt Gluconate 0.32 mg</p> <p>Vitamin B6 IP 0.32 mg</p> <p>Dextrose Anhydrous IP 428.00 mg</p>	<p>Bloat, digestive disorders caused by decreased activity of reticulum &amp; rumen or sudden dietary changes and/or intoxication. As a supportive therapy in diseases caused by foreign bodies &amp; hypo-glycaemic conditions in cattle, calves, sheep &amp; goats.</p>	<p>Adult Cattle : 125 gm sachet twice daily, (once in 12 hours)</p> <p>Young Animals : 65 gm (approx) once or twice daily</p> <p>Sheep &amp; Goat : 32 gm once or twice daily</p>	<p>125 g sachet</p> <p>WITHDRAWAL PERIOD : Milk : 0 days Meat : 0 days</p>



## Transmix™

COMPOSITION	BENEFITS	DIRECTIONS FOR USE	PRESENTATION
<p>Anionic Ca, Gluconeogenic precursors fortified with otganic and essential elements.</p>	<ul style="list-style-type: none"> <li>Helps animals in transition to reduce incidences of metabolic disorders like milk fever.</li> <li>Helps to achieve peak milk yield faster and optimize milk production.</li> <li>Reduces calving stress and improves immunity performance.</li> </ul>	<p>3 drenches : 1 bottle before parturition, 1 bottle after parturition and 1 bottle 48-72 hours after parturition.</p>	<p>Available in 500 ml bottle</p>

## Tonophosphan® VET

Injectable phosphorus preparation for improving metabolism, milk production & fertility in livestock. Its content of organically bound phosphorus is 20%.



COMPOSITION	INDICATIONS	DOSAGE	PRESENTATION
<p>Each ml contains :</p> <p>Sodium salt of 4-dimethylamine, 2-methylphenyl-phosphinic acid 0.2 g</p>	<p>As a tonic in general metabolic disorders, debility, exhaustion, repeat breeding &amp; infertility due to phosphorus deficiency.</p> <p>For disorders of bone formation as in rickets &amp; osteomalacia. To promote callus formation in fractures in combination with calcium &amp; vitamin D.</p> <p>For treatment of tetany &amp; paresis resulting from calcium, magnesium &amp; phosphorus imbalance (as in milk fever).</p>	<p>In acute conditions- Large Animals : 5-20 ml.</p> <p>Small Animals : 1-3 ml.</p> <p>In chronic conditions- Large Animals : 2.5-5 ml</p> <p>Small Animals : 1-2 ml.</p>	<p>Vial of 10 ml, 30 ml and 100 ml</p> <p>WITHDRAWAL PERIOD : Milk : 0 days Meat : 0 days</p>

# S U P P O R T I V E S

## Avilin® VET

For quick relief from allergic manifestations.



COMPOSITION	INDICATIONS	DOSAGE	PRESENTATION
Each ml contains: Pheniramine maleate IP 22.75 mg.	Itching due to eczema, dermatitis, urticaria, skin oedema, insect bites, photo-dermatitis, rhinitis, tail eczema in horses, stomatitis & inflammation of hooves in cattle, serum sickness, paresis during pregnancy, toxæmia & retention of placenta, pulmonary oedema in cattle, pulmonary erythema in horses.	Large animals : 5-10 ml.  Small animals : 0.5-1 ml. or more. By IM or IV route	Amber coloured vial of Avil 10 ml and 33 ml  WITHDRAWAL PERIOD Milk : 2 days Meat : 7 days

## Corticosteroid

### Prednisolone Acetate Injection

For quick relief from ketosis.



COMPOSITION	INDICATIONS	DOSAGE	PRESENTATION
Each ml contains : Prednisolone acetate I.P. 10 mg	Prednisolone is indicated in ketosis in dairy cattle, shock, inflammation (especially rheumatic arthritis, dermatitis, bursitis) and allergic conditions of livestock.	Cattle, horses : 5-20 ml. Calves, pigs : 2.5-5ml. Piglets, dogs, cats : 1-3 ml. or as recommended by Veterinarian.	Vial of 10 ml  WITHDRAWAL PERIOD : Milk : 3 days Meat : Cattle, Sheep & Goat : 5 days Pig : 28 days

## Nutritional Supplements

### BIOPLEX®

HIGH SEVEN BOLUS



COMPOSITION	INDICATIONS	DOSAGE	PRESENTATION
Each mL contains: Zinc (Zn), Copper (Cu), Selenium (Se), Cobalt (Co), Manganese (Mn), Chromium (Cr), Iodine (I)	For better reproductive performance in Cattle and Buffalo.	One bolus daily for 21 days after 1st postpartum estrus.  In non-cycling animal - one bolus daily till estrus is observed and continue one bolus daily until the second estrus.  After insemination continue one bolus daily for seven days.	Available in a strip of 7 Boli and a box of 12 strips

### VM<sup>all</sup>™ Chelated



NUTRITIONAL VALUE PER KG	BENEFITS	DIRECTIONS FOR USE	PRESENTATION
Vit A 2,000,000 IU, Vit D3 200,000 IU, Vit E (50%) 3000 IU, Niacin 1000 mg, Calcium 230 g, Phosphorus 115 g, Zinc 9600 mg, Magnesium 6000 mg, Copper 4500 mg, Manganese 3900 mg, Iron 1500 mg, Iodine 500 mg, Cobalt 200 mg, Selenium 20 mg	<ul style="list-style-type: none"> <li>Timely uterine involution</li> <li>Timely onset of estrus</li> <li>Showing proper signs of estrus</li> <li>Proper follicular development &amp; timely ovulation</li> <li>Improving conception rates</li> </ul>	After calving : from day 5 to day 60  Feed VM <sup>all</sup> ™ Chelated 25g to 50g/day/cow Or mix 100g VM <sup>all</sup> ™ Chelated per 10kg feed	Available in 1 kg & 5 kg

## Chelated LactAid<sup>®</sup> Forte



COMPOSITION	BENEFITS	DIRECTIONS FOR USE	PRESENTATION
Nutritional value per 100 ml : Calcium 3500 mg. Phosphorus 1750 mg. Vit D <sub>3</sub> 15000 I.U. Vitamin B <sub>12</sub> 200 mcg. Carbohydrates 20000 mg. Chelated Zinc 320 mg. Chelated Copper 150 mg. Chelated Manganese 130 mg. Biotin 2 mg. Chelated Chromium 9 mg. Enriched with herbal galactagogues.	<ul style="list-style-type: none"> <li>Helps in strengthening udder defense system</li> <li>Helps in maintaining good health and optimum performance</li> <li>Helps in Bone development</li> <li>Helps in improving milk production</li> </ul>	For Large animals : 25 ml to 40 ml twice  For Small animals : 10 ml to 20 ml twice	Available in 1 Lit., 5 Lit.

## VM<sup>all</sup>



CONTENTS PER KG	BENEFITS	DOSAGE	PRESENTATION
Each Kg contains a nutritional value of : Cobalt 120mg, Copper 1000mg, Magnesium 5000mg, Iron 2500mg, Potassium 100mg, Manganese 2000mg, Flourine 60mg, Calcium 150g, Selenium 10mg, Vit A 1200000 IU, Vit D3 120000 IU, Sulphur 0.70%, Vit E 1200 IU, Iodine 300mg, Zinc 5000mg, Phosphorus 60g, Niacinamide 4g, Vit K 200mg, Sodium 8mg.	To improve fertility.  To safeguard health and growth.  To optimize milk yield and fat.	Ruminants Mix 100-200 g per 10 kg of feed depending on the availability of other fodder/feed.  For direct feeding, Cow and Buffalo: 50-100 gm/day/head Calf, Sheep and Goat: 20-30 gm/day/head	25 Kg bag

## VM<sup>all</sup> - P



CONTENTS PER KG	BENEFITS	DOSAGE	PRESENTATION
Each KG contains a nutritional value of (When packed): Cobalt 150 mg Vit A 1200000 IU Copper 2200 mg Vit D3 120000 IU Iodine 325 mg Vit K 200 mg Iron 2500 mg Vit E 500 IU Magnesium 6000 mg Calcium 225 g Manganese 2200 mg Phosphorus 90 g Potassium 100 mg Niacinamide 1000 mg Sodium 8 mg Biotin 2% 500 mg Sulphur 1% Bioactive Zinc 9000 mg chromium 65 mg	<ul style="list-style-type: none"> <li>To improve fertility</li> <li>To safeguard health and growth.</li> <li>To optimize milk yield and fat.</li> </ul>	Ruminants Mix 100-200 g per 10 kg of feed For direct feeding, Cattle and Buffalo: 50gm/day/head Calf, Sheep and Goat: 30gm/day/head	5 kg and 25 kg

# The Science of Healthier Animals Now with Intelligence



MSD Animal Health provides veterinarians, farmers, pet owners and governments with the widest range of veterinary pharmaceuticals, vaccines and health management solutions and services. As part of MSD Animal Health, MSD Animal Health Intelligence consists of the market leading brand Allflex Livestock Intelligence, dedicated to preserving and improving the health and performance of animals.

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