

**MULTIMIN 90- zinc oxide, manganese carbonate, sodium selenite, copper carbonate injection, solution**

**Multimin North America, Inc.**

*Disclaimer: This drug has not been found by FDA to be safe and effective, and this labeling has not been approved by FDA. For further information about unapproved drugs, click [here](#).*

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**MULTIMIN 90**

**ACTIVE SUBSTANCES PER ML:**

<b>Zinc</b> .....	60 mg/ml
<b>Manganese</b> .....	10 mg/ml
<b>Selenium</b> .....	5 mg/ml
<b>Copper</b> .....	15 mg/ml

**OTHER SUBSTANCES:**

Chlorocresol 0.1% w/v (as preservative)

**DIRECTIONS:**

This product is only for use in cattle.

**MULTIMIN®90** is to be given subcutaneously (under the skin) ONLY.

It is recommended to administer the product in accordance with Beef Quality Assurance (BQA) guidelines. Minimum distance between injection sites for **MULTIMIN®90** product and other injection sites should be at least 4 inches.

Inject under the loose skin of the middle of the side of the neck. Max volume per injection site is 7ml.

Subcutaneous injection in the middle side of the neck.

RX

**CAUTION:**

Slight local reaction may occur for about 30 seconds after injection. A slight swelling may be observed at injection site for a few days after administration. Use standard aseptic procedures during administration of injections to reduce the risk of injection site abscesses or lesions.

**PRECAUTIONS:**

Selenium and copper are toxic if administered in excess.

Always follow recommended label dose. Do not overdose.

If it recommended that accurate body weight is determined prior to treatment.

Do not use concurrently with other injectable selenium and copper products.

Do not use concurrently with selenium or copper boluses.

Do not use in emaciated cattle with a BCS of 1 in dairy or 1-3 in beef.

Consult your veterinarian.

Store between 15° C and 30° C (59° F and 86° F)

Lot No.            Exp. Date

## SUPPLEMENTATION PROGRAM

BULLS	3 times per year
BEEF COWS	4 weeks before breeding 4 weeks before calving
DAIRY COWS	4 weeks before calving 4 weeks before insemination at dry-off
CALVES	at birth at 3 months and/or weaning
HEIFERS	every 3 months - especially 4 weeks before breeding
(program gives planned dates that can be varied to suit management programs)	

## MULTIMIN

90

MANUFACTURED FOR

MULTIMIN

NORTH AMERICA, INC.

Fort Collins, CO 80528

## DOSAGE TABLE

ANIMAL WEIGHT (lbs)	CALVES UP TO 1 YEAR 1ml/100lb BW	CATTLE 1-2 YEARS 1ml/150lb BW	CATTLE > 2 YEARS 1ml/200lb BW
50	0.5 ml	-	-
100	1 ml	-	-
150	1.5 ml	-	-
200	2 ml	-	-
300	3 ml	-	-
400	4 ml	-	-
500	5 ml	-	-
600	6 ml	-	-
700	7 ml	-	-
800	-	5.3 ml	-
900	-	6 ml	-
1000	-	6.6 ml	5 ml
1100	-		5.5 ml
1200	-		6 ml
1300	-		6.5 ml
1400	-		7 ml

Package Label Principle Display Panel

NDC# 49920-006-05

MULTIMIN®

90

An injectable aqueous supplemental source of zinc, manganese, selenium and copper  
**CAUTION: FEDERAL LAW RESTRICTS THIS DRUG TO USE BY OR ON THE ORDER OF A LICENSED VETERINARIAN.**

**TAKE TIME OBSERVE LABEL DIRECTIONS**

**KEEP OUT OF REACH OF CHILDREN**

**MULTIMIN NORTH AMERICA, INC.**

Fort Collins, CO 80525

NET CONTENTS: 500 ml

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Inject under the loose skin of the middle of the side  
of the neck. Max volume per injection site is 7ml.

Subcutaneous  
injection in the middle side of the neck.

RX

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<b>Selenium</b> .....	5 mg/ml
<b>Copper</b> .....	15 mg/ml

**OTHER SUBSTANCES:**

Chlorocresol 0.1% w/v (as preservative)

**DOSAGE RECOMMENDATIONS:**

CALVES: .....up to 1 year.....1 ml/per 100 lbs. bodyweight  
CATTLE: .....from 1-2 years.....1 ml/per 150 lbs. bodyweight  
CATTLE: .....over 2 years.....1 ml/per 200 lbs. bodyweight

Refer to dosage table on the inside label.

Store between 15°C and 30°C (50°F and 86°F)

Lot No. Exp. Date

NDC# 49920-006-05

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 Manganese .....10 mg/ml  
 Selenium .....5 mg/ml  
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 CATTLE: ..... over 2 years  
 ..... 1 ml/200 lb bodyweight

Refer to dosage table on inside label

Store Between 15° C and 30° C (59° F and 86° F)

Lot No.

Exp. Date

Rev. 5-17  
 L500-E



An injectable aqueous supplemental source  
 of zinc, manganese, selenium and copper

**CAUTION:** FEDERAL LAW RESTRICTS THIS DRUG TO USE  
 BY OR ON THE ORDER OF A LICENSED VETERINARIAN.



**KEEP OUT OF REACH OF CHILDREN**



**MULTIMIN NORTH AMERICA, INC.**  
 Fort Collins, CO 80528

**NET CONTENTS: 500 ml**

**DIRECTIONS:**

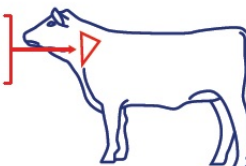
This product is only for use in cattle.

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Subcutaneous  
 injection in middle  
 of side of neck.



Peel here

**MULTIMIN 90**

zinc oxide, manganese carbonate, sodium selenite, copper carbonate injection, solution

**Product Information**

<b>Product Type</b>	PREScription ANIMAL DRUG	<b>Item Code (Source)</b>	NDC:49920-006
<b>Route of Administration</b>	SUBCUTANEOUS		

**Active Ingredient/Active Moiety**

Ingredient Name	Basis of Strength	Strength
<b>ZINC OXIDE</b> (UNII: SOI2LOH54Z) (ZINC CATION - UNII:13S1S8SF37)	ZINC CATION	60 mg in 1 mL
<b>MANGANESE CARBONATE</b> (UNII: 9ZV57512ZM) (MANGANESE CATION (2+) - UNII:H6EP7W5457)	MANGANESE CATION (2+)	10 mg in 1 mL
<b>SODIUM SELENITE</b> (UNII: HIW548RQ3W) (SELENITE ION - UNII:KXO0259XJ1)	SELENIUM	5 mg in 1 mL
<b>CUPRIC CARBONATE</b> (UNII: 9AOA5F11GJ) (CUPRIC CATION - UNII:8CBV67279L)	CUPRIC CATION	15 mg in 1 mL

**Inactive Ingredients**

Ingredient Name	Strength
<b>CHLOROCRESOL</b> (UNII: 36W53O7109)	
<b>SODIUM HYDROXIDE</b> (UNII: 55X04QC32I)	
<b>WATER</b> (UNII: 059QF0KO0R)	
<b>EDETIC ACID</b> (UNII: 9G34HU7RV0)	

**Packaging**

#	Item Code	Package Description	Marketing Start Date	Marketing End Date
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1	NDC:49920-006-01	1 in 1 BOX		
1		100 mL in 1 BOTTLE		
2	NDC:49920-006-05	1 in 1 BOX		
2		500 mL in 1 BOTTLE		
<b>Marketing Information</b>				
<b>Marketing Category</b>		<b>Application Number or Monograph Citation</b>	<b>Marketing Start Date</b>	<b>Marketing End Date</b>
unapproved drug other			12/01/2009	

**Labeler** - Multimin North America, Inc. (831737239)

**Registrant** - Multimin North America, Inc. (831737239)

Establishment			
Name	Address	ID/FEI	Business Operations
Nova-Tech		196078976	manufacture, analysis

Establishment			
Name	Address	ID/FEI	Business Operations
Tairgi Tread-Lia Baile Na Sceilge Teoranta (DbA Ballinskelligs Veterinary Products [BVP])		986182178	api manufacture