



## PRODUCT GUIDE



## CLINICAL RESOLUTION LABORATORIES

Clinical Resolution Laboratory, Inc. (a California Corporation) has been engaged in the business of designing, producing and distributing skincare products and cosmeceuticals for global markets since year 2000. The company recently completed 12 months of research and development for MTS Roller™ - a new patented and disposable skincare tool that is now being introduced to target audiences in Asia and the United States.

### MISSION

Create, innovate, and sell high-end clinical quality cosmeceutical products for dermatological and aesthetic skincare professionals and direct to market.

### PRODUCTS AND SERVICES

MTS Roller™ is the anchor product for the company's trademark "Microneedle Therapy System™", a complete therapeutic method that utilizes several patented technological innovations in the treatment of anti-aging, scars, and hair loss in men and women.

Cosmeceutical Product Line includes a wide range of leading edge applications in the form of crèmes, serums, masks, and washes mainly for anti-aging and hair loss. The company has gained a strong reputation for producing and packaging leading-edge clinical formulations under several recognized brand names in South Korea.

### OUR COMMITMENT

Our commitment is providing unsurpassed research and development for custom-formulated cosmeceutical, nutraceuticals and personal care treatment products. Clinical Resolution is also the sole developer and owner of MTS Roller, a unique patented non-ablative clinical skin treatment tool designed for use by professionals and has a variety of applications in skin health, tissue repair and hair care.

Clinical Resolution Laboratory's skin solutions are the results of many years of extensive scientific research and clinical testing conducted under the purview of leading scientists and physicians in the field, as well as a cadre of independent laboratories and universities across the United States.

Based in California, USA, the company continues its pursuit of new technology and excellence, quickly bringing new products to the marketplace that address healthcare and physician needs. We are confident that you will be as pleased and excited about the products as we are here at Clinical Resolution Laboratory. It remains our goal to develop cosmeceutical and nutraceutical solutions that make a difference.

## WHAT IS MICRONEEDLE?

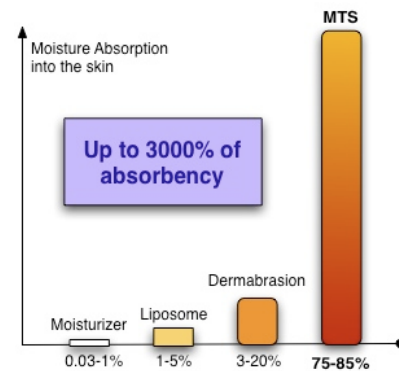
### How does “Microneedle Therapy System” work?



At the heart of Microneedle Therapy System (MTS) is our patented MTS Roller™ – a unique ‘Type I’ FDA-approved supplemental medical tool that is ideal for non-surgical and non-ablative treatment of various skin conditions such as aging (wrinkles, stretching), scarring (acne, surgical), and hyperpigmentation. Clinical studies have shown MTS (microneedle therapy system) to be more effective than ablative treatments like laser resurfacing, dermabrasion, and chemical peel and just as effective as non-ablative treatments like IPL, CO2 laser, and Fraxel in stimulating collagen and elastin production to thicken the skin thereby erasing wrinkles and smoothing scars.

### Absolute Absorbency

MTS Roller™ uses 200 very fine needles to injure the skin sufficiently enough to stimulate collagen/elastin production. Resulting micro-channels also aid in infusing therapeutic serums for greater penetration and increasing overall efficacy. Clinical studies from Europe, U.S. and South Korea have proven that serum absorption is increased by as much as 1,000 times when applied with MTS Roller(1). Clinical studies have also shown that treatment with MTS Roller is more consistent in increasing the thickness of the skin than IPL and other resurfacing treatments(2).



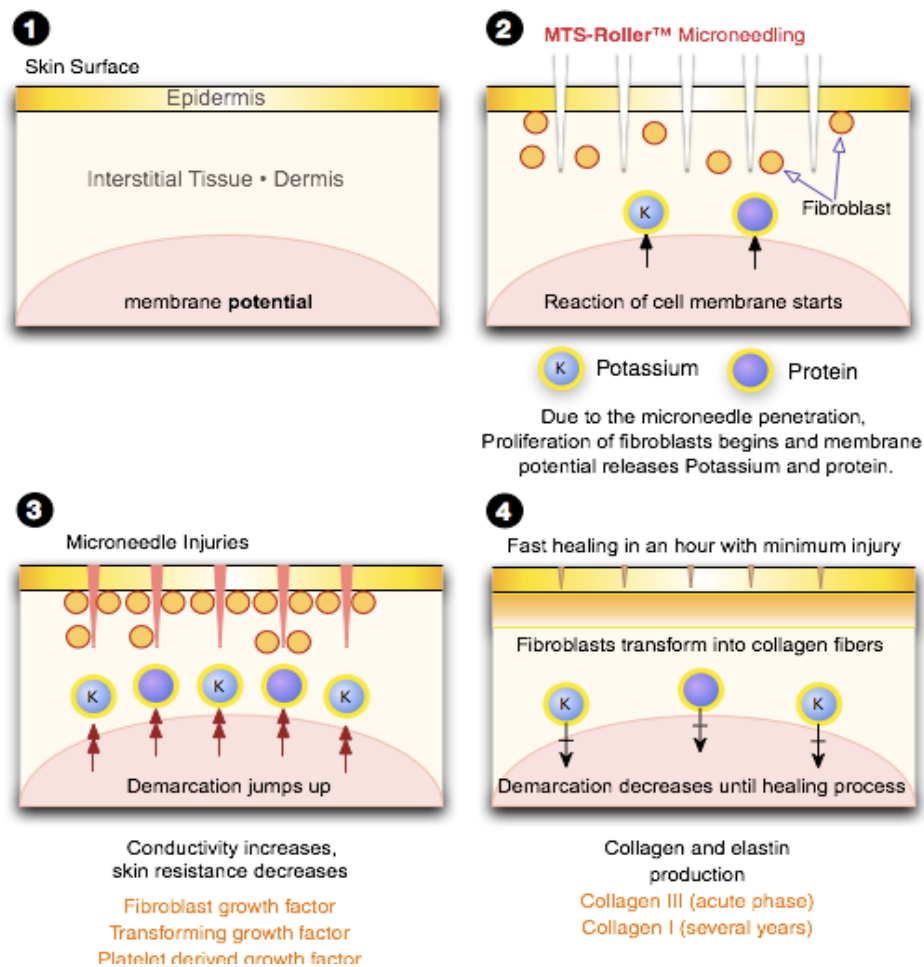
### There are THREE major advantages for using MTS Roller:

- MTS Rollers are revolutionary. They do the same job that lasers and other ablative methods by increasing the production of collagen with minimal damage to the protective layer of the skin.
- MTS Rollers are effective. In fact, just as effective as lasers, IPL, Thermage and other ‘machine-based’ treatments, but at a fraction of the cost to practitioners and patients.
- MTS Rollers are safe. “Non-surgical and non-ablative” means more ‘forgiving’ and skin-friendly treatments. Patients experience little or no pain, downtime, and risk for complications.

### Fast Recuperative Power

The gentle stimulus provided by the MTS Roller is far more “skin friendly” and thus far more effective than many other more invasive and more expensive skin treatments. MTS Roller leaves the entire epidermal barrier fully intact; micro-channels created by 200 precision surgical steel needles seal within hours after application: long enough for new collagen-structures to form within the lower layers of the skin and short enough to allow the patient to resume normal schedules quickly. MTS Rollers eliminate all common negative side effects and risks associated with chemical peeling, dermabrasion, and laser-resurfacing. The skin is thicker and ready sooner for additional treatment. Personal MTS models (CR2, CR3) are virtually painless; clinical models (CR5, CR10, CR20, CR30) should be used with a topical anesthetic.

### How Microneedle Therapy System Works



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- 05 *MTS Peptide Moisturizer*
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- 08 *MTS Peptide HR Matrix*
- 09 *MTS Roller CR02*
- 10 *MTS Sterilizing Solution*



MTS Personal Care Series

# MTS ANTI-AGING COMPLEX

## 1 Product Type & Info

<b>Product Classification:</b>	MTS Facial Solution Package
<b>Product Type:</b>	MTS 0.2mm & Anti-aging products
<b>Manufactured by:</b>	Clinical Resolution Lab., Inc.
<b>Available Size:</b>	1 Box



## 2 Description

Generally, the possibility of active ingredients to penetrate the epidermal barrier (stratum corneum) through intercellular routes is approximately 0.3% per use, and due to the characteristics of cells such as keratinization, even this amount of active ingredient penetration cannot be expected all the time.

A new concept is to increase the effective penetration rate of the epidermis by forging a new transcellular route to construct a new Drug Delivery system idea.

This MTS Anti-Aging Complex provides the original and the most significant method for skin rejuvenation solution for your ultimate beauty.

## 3 Contents

1	MTS VitaPep Serum	(1 fl.oz/30ml)	Poly-Vitamin and Peptide Treatment
1	MTS Roller	(CR2: 0.2mm)	New Era of Skin Rejuvenation with 200 microneedles with GE Lexan® polycarbonate resin
5	MTS Peptide Mask		Ultimate Hydration Booster during night time
1	MTS Peptide Moisturizer	(1 oz/30g)	Regenerating, Hydrating, Smoothing Complex
1	MTS Sun Protective Cream	(1 oz/30g)	DNA Repair with SFP30
1	MTS Roller Cleaning Tray		
1	MTS Roller Cleaning Brush		
1	MTS Sterilizing Solution	(6 fl.oz/180ml)	Isopropyl Alcohol 70%, Water

## 4 Key Points

Originally Designed for Skin-Doctors.

MTS Anti-Aging Complex improves:

- Skin Texture, Tone & Pores
- Face Uplifting
- Lite Peeling
- Skin Thickness
- Whitening, Pigment Stabilizing
- Wrinkle Reduction

## 5 Direction for use

1. Step 1 - Boosting:	MTS VitaPep Serum
2. Step 2 - Correction:	MTS-Roller
3. Step 3 - Hydration:	MTS Peptide Mask / MTS Peptide Moisturizer
4. Step 4 - Protect:	MTS Sun Protective Cream
5. Step 5 - Cleaning:	MTS Sterilizing Solution

MTS Personal Care Series

# MTS HAIR RESTORATION COMPLEX

## 1 Product Type & Info

<b>Product Classification:</b>	MTS Hair Regrowth Solution Package
<b>Product Type:</b>	MTS 0.2mm & Hair product
<b>Manufactured by:</b>	Clinical Resolution Lab., Inc.
<b>Available Size:</b>	1 Box



## 2 Description

The most effective MTS process for transdermal delivery of cosmetics into deeper skin layers.

In contrast to normal cosmetics, MTS Anti-Aging Complex offers a totally innovative way to rejuvenating your skin. The MTS-Roller (0.2mm version inside) enhances our specially designed MTS Anti-Aging Complex cosmetics into deeper skin layers - where all the skin's problems start.

MTS Peptide HR Complex is the first and only product in its class to directly stimulate the Anagenic Growth phase of hair cycle with growth promoting growth factors for hair.

The application of these findings through our advances in peptide biochemistry offers a new beginning in hair restoration technology for both men and women.

## 3 Contents

1	MTS Peptide HR Matrix	(3.3 fl.oz/100ml)	Poly-Vitamin and Peptide Treatment
1	MTS Roller	(CR2: 0.2mm)	New Era of Skin Rejuvenation with 200 microneedles with GE Lexan polycarbonate resin
1	MTS Roller Cleaning Tray		
1	MTS Roller Cleaning Brush		
1	MTS Sterilizing Solution	(6 fl.oz/180ml)	Isopropyl Alcohol 70%, Water

## 4 Key Points

MTS Hair Restoration Complex improves:

- At 8 weeks, 100% of men treated with MTS Peptide HR Matrix experienced an increase in hair growth and an average 80% reduction in hair loss.
- Twelve weeks of study revealed a 62% reduction in sebum production for volunteers using MTS Peptide HR Complex.

## 5 Direction for use

1. Step 1 - Boosting: MTS VitaPep Serum
2. Step 2 - Correction: MTS-Roller
3. Step 3 - Maximum Effect: Repeat Step 1
4. Step 4 - Cleaning: MTS Sterilizing Solution.



MTS Personal Care Series

# MTS VITAPEP SERUM

## 1 Product Type & Info

<b>Product Classification:</b>	MTS Treatment Product
<b>Product Type:</b>	Peptide Boosting formula
<b>Manufactured by:</b>	Clinical Resolution Lab., Inc.
<b>Available Size:</b>	1 fl.oz. / 30ml



## 2 Description

This instantly increases the moisture level and strength of the skin against environmental damage. It contains an essential amount of Vitamin C (28%) as a strong anti-oxidant but with no water, while helping the skin regain tone, moisture, silkiness and radiance. It provides a smoothing, antioxidant, brightening and protective treatment for all types of non-sensitive environmentally damaged skin starting to show signs of aging. When used prior to makeup, it may help to form a breathable moisture seal and helps to achieve a smooth and even application of makeup. Hyaluronic Acid enhances the penetration and hydration. Vitamin C in the product is in a form of both hydrophilic and lipophilic.

## 3 Ingredients

Cyclopentasiloxane, Dimethicone, Dimethicone / Vinyl Dimethicone Crosspolymer, Isododecane, Dimethicone (and) Cyclomethicone, Caprylic / Capric Triglyceride, Linoleic Acid, Glycine soja (soybean) sterols, Phospholipids, Tetrahexyldecyl Ascorbate, Tocopherol, Retinol, Ascorbic acid, Soluble collagen, Methylparaben, Propylparaben, Hyaluronic Acid, Arbutin, Glycerin (and) Butylene Glycol (and) Water (and) Carbomer (and) Polysorbate 20 (and) Palmitoyl Oligopeptide (and) Palmitoyl Tetrapeptide-7

## 4 Key Points

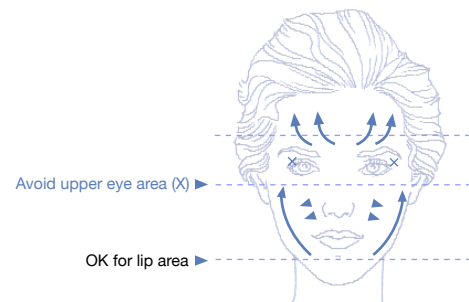
- Originally sold to Skin-Doctors.
- Specially designed for Microneedle Therapy
- Filled with skin-beneficial nutrients.
- No cytotoxicity, No product sensitivity, No side effects!

## 5 Direction for use

Apply appropriate amount onto the face and neck area prior to and after MTS Roller.

## 6 Cautions

Keep out of reach of children.





MTS Personal Care Series

# MTS PEPTIDE MASK

## 1 Product Type & Info

<b>Product Classification:</b>	MTS Treatment Product
<b>Product Type:</b>	Night time hydration mask
<b>Manufactured by:</b>	Clinical Resolution Lab., Inc.
<b>Available Size:</b>	5 sheets per pack



## 2 Description

MTS Peptide Mask is a product developed for cosmeceutical use that calms and moisturizes the skin after MTS Treatment. This mask is developed with an innovative technology called TCD (Transdermal Cosmetic Delivery), so that its effective ingredients get active by skin temperature. The result is a fast and efficient penetration of these ingredients deep into the skin. It contains peptidized amino acids, which make up the collagen molecule, chamomile and other calming ingredients to quickly heal the damaged skin and improve the skin's self moisturizing ability. This cooling mask leaves your skin smooth and moisturized by promoting skin elasticity and protects your skin from harmful environments.

## 3 Ingredients

Water, Acetyl Hexapeptide-8, Chamomilla Recutita (Matricaria) Flower Extract, Hydrolyzed Collagen, Disodium EDTA, Glycerin, Portulaca Oleracea Extract, Mannan, Polysorbate 80, Sodium Hyaluronate, Ceratonia Siliqua Gum, Dipotassium Glycyrrhizate, Potassium Hydroxide, Methylparaben, Propylparaben, Phenoxyethanol, Blue 1.

## 4 Key Points

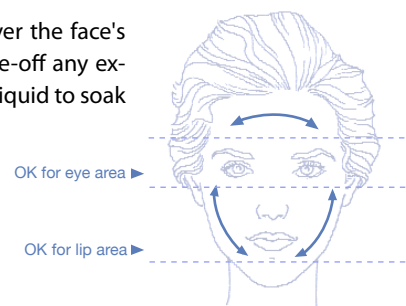
- Originally Designed for Skin Doctors.
- 200% increase over control above other Collagen Moisturizers.
- One perfect solution for night time moisturizing.
- Decreasing pore size, wrinkles, and the appearances of irregular skin blemishes.
- No cytotoxicity, No product sensitivity, No side effects!

## 5 Direction for use

After MTS Treatment, apply the Mask.  
 Remove Facial Treatment Mask from its silver sachet and gently unfold.  
 Carefully place the mask squarely over your eyes and carefully spread it over the entire face -- adjusting around your eyes, nose and mouth.  
 Use your fingertips to gently press Facial Treatment Mask over the face's contour. After 10 minutes, peel off the mask and simply wipe-off any excess liquid with a cotton pad or ball and allow any remaining liquid to soak in to your skin.

## 6 Cautions

Keep out of reach of children.



MTS Personal Care Series

# MTS PEPTIDE MOISTURIZER

## 1 Product Type & Info

<b>Product Classification:</b>	MTS Treatment Product
<b>Product Type:</b>	Peptide Moisturizer
<b>Manufactured by:</b>	Clinical Resolution Lab., Inc.
<b>Available Size:</b>	1 fl.oz. / 30ml



## 2 Description

This skin renewal booster keeps your skin looking fresh, healthy and gradually reduces the appearance of lines and wrinkles. Enriched with natural ingredients like aloe, precious oils, and other active ingredients that include the Amino Poly-Peptide, which clinically proven to reduce the appearance of fine lines and wrinkles up to 57%, this skin balancing moisturizer delivers essential moisture to the skin's surface after MTS Roller Treatment.

Especially formulated with anti-oxidants and free radical scavengers that work to repair and prevent cellular damage. MTS Peptide Moisturizer will minimize fine lines and wrinkles without the much expense.

## 3 Main Ingredients

Aloe Barbadosis Leaf Juice, Water, Cetyl Alcohol, Propylene Glycol, Lanolin Alcohol, Polysorbate 80, Stearic Acid, Glyceryl Stearate, Proline, Lysine, Glycine, Tetrasodium EDTA, Propylparaben, Imidazolidinyl Urea, Adenosine

## 4 Key Points

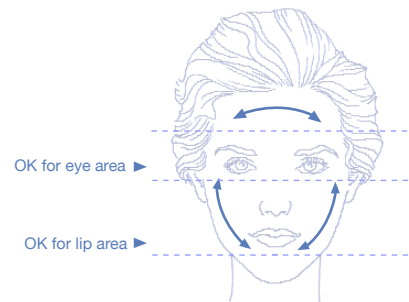
- Originally Designed for Skin-Doctors.
- Proven to promote respiration and oxygen consumption at the cellular level
- Has been clinically proven to promote cell renewal
- Stimulates skin cell turnover by 25% in just two weeks
- Visibly reduces wrinkles and the overall signs of aging
- The end result is dramatically younger, smoother looking skin
- Recommended for normal to oily skin types.

## 5 Direction for use

After MTS roller, apply MTS Peptide Moisturizer onto the face and neck.

## 6 Cautions

Keep out of reach of children.



MTS Personal Care Series

# MTS SUN PROTECTIVE CREAM

## 1 Product Type & Info

<b>Product Classification:</b>	MTS Treatment Product
<b>Product Type:</b>	DNA Repair with SPF 30
<b>Manufactured by:</b>	Clinical Resolution Lab., Inc.
<b>Available Size:</b>	1 fl.oz. / 30ml



## 2 Description

This chemical free sunscreen is a lightweight product formulated with an advanced silicone elastomer. These compounds provide silkiness upon application to the skin. In addition, this product provides a chemical free sunscreen without the white out that occurs with other chemical free sunscreens. The addition of proprietary lipopeptide has been shown in dermal cell culture studies to stimulate collagen and elastin production with minimum production of prostaglandins.

## 3 Ingredients

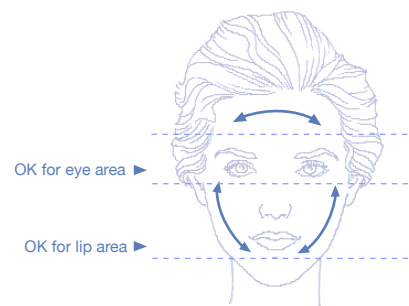
Titanium Dioxide, Zinc Oxide, Cyclopentasiloxane, Cyclomethicone, Dimethicone Crosspolymer, Dimethicone/Vinyl Dimethicone Crosspolymer, Tribehenin, Calcium Behenate, Sorbitan Isostearate, Dimethiconol, Alumina, Myristoyl Hexapeptide-5, PEG-10 Dimethicone, Methicone, Iron Oxides

## 4 Key Points

- Originally Designed for Professional Skincare Specialists.
- Recommended for all skin types
- Unique silicone elastomer
- Safe for use after clinical procedures.
- May be used under make-up.
- No albumin, no whitening effect.
- No cytotoxicity, No product sensitivity, No side effects!

## 5 Direction for use

Apply appropriate amount onto the face and neck.



MTS Personal Care Series

# MTS AMINO PEPTIDE SERUM

## 1 Product Type & Info

<b>Product Classification:</b>	MTS Treatment Product
<b>Product Type:</b>	Anti-aging formula
<b>Manufactured by:</b>	Clinical Resolution Lab., Inc.
<b>Available Size:</b>	1 fl.oz. / 30ml



## 2 Description

Anti-Aging, Healing, Protective Serum.

This stimulates the natural production of Collagen I, III and IV, Fibronectin (naturally involved in the cellular process of tissue repair and in cell adhesion) and Glycosaminoglycans.

The Key Benefits include 68% reduction in deep wrinkles, 47% reduction in overall wrinkle density, 30% reduction in overall skin roughness, 80% in the eye contour area and an overall improvement in skin hydration.

## 3 Ingredients

Deionized Water, Cetearyl Ethylhexanoate, Glycerin, Palmitoyl Pentapeptide-3, Acetyl Hexapeptide-3, Glycosaminoglycans, Butylene Glycol, Echinacea Angustifolia Leaf Extract, Glucosamine, Glycyrrhiza Glabra (Licorice) Root Extract, Hydrogenated Lecithin, Hydrolyzed Wheat Protein, Polysorbate 20, Wheat Amino Acids, Acrylates/C10-30 Alkyl Acrylate Crosspolymer, Ahnfeltia Concinna Extract, Borago Offininalis Seed Oil, Camellia Sinensis Leaf Extract, Carbomer, Citric Acid, Tocopheryl Acetate, Pentylene Glycol, Propylene Glycol, Squalane, Triethanolamine, Methylparaben, Propylparaben, Diazolidinyl Urea

## 4 Key Points

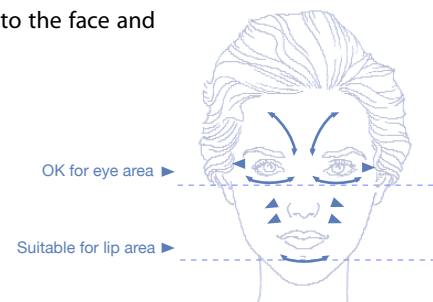
- Help firmness and smoothness of skin
- Help increase oxygen uptake and promote the skin's natural rate of cell renewal
- Great for use Under Make Up
- Non-Drying, Moisturizing Formula
- A supplement to any cream, lotion or, masque during the application
- No cytotoxicity, No product sensitivity, No side effects!

## 5 Direction for use

After MTS Roller Treatment, apply appropriate amount onto the face and neck and follow with a moisturizer.

## 6 Cautions

Keep out of reach of children.



MTS Personal Care Series

# MTS PEPTIDE HR MATRIX

## 1 Product Type & Info

<b>Product Classification:</b>	MTS Treatment Product
<b>Product Type:</b>	Hair-regrowth formula
<b>Manufactured by:</b>	Clinical Resolution Lab., Inc.
<b>Available Size:</b>	3.3 fl. oz. / 100ml



## 2 Description

Maximal Hair Regrowth with Poly Peptide and MTS Roller.

MTS Peptide HR Matrix is the first and only product in its class to directly stimulate the Anagenic Growth phase of the hair cycle with growth promoting growth factors for hair. The product is also first in its class to directly suppress the Catagenic Rest and Telogenic Loss phases of the hair cycle. The combined result is a hair restoration product that offers faster results with improved efficacy in problem treatment areas.

## 3 Ingredients

De-ionized Water, Algae Extract, Phenoxyethanol, Propylene Glycol, Glycerin, Margosa, Hydrolysate of Milk Protein, Solanum Tuberosum Extract, Silanediol Salicylate, Butylene Glycol, Triethanolamine, Sulphured Amino Acid, Sulfomucopolysaccharide Extract, Celastrus Paniculata Extract, Colloidal Sulphur, Spondios Amara Extract, Rubus Bramble Berries, Trichomonus Japonicum Maxim, Chinese Wormwood Extract, Homotaurine, Maiden Hair Fern Extract, Henna Extract, Barosma Betulina, Sodium Benzoate, Potassium Sorbate, Polypeptide (Leucine, Proline, Lysine, Glutamine, Aspartic Acid, Metionin, Alanine)

## 4 Key Points

- Originally Designed for Skin-Doctors.
- At 8 weeks, 100% of men treated with MTS Peptide HR Complex experienced an increase in hair growth and an average 80% reduction in hair loss.
- Twelve weeks of study revealed a 62% reduction in sebum production for volunteers using MTS Peptide HR Complex.
- MTS Peptide HR Complex reduces the Demodex population by an average of 32%.
- Significant Decrease in hair Loss in a week.
- Skin Safe and no side effects!
- Promote new hair growth in 3 month

## 5 Direction for use

Apply to fingertips, then directly onto target area of scalp, 1-2 hours before bedtime to provide sufficient time for scalp to absorb the product. Rub scalp with fingertips vigorously for 2-3 minutes. Wash hands directly following application. Allow product to remain on scalp for at least four hours before washing hair.

MTS Peptide HR Matrix should be used on a daily basis.

MTS Personal Care Series

# MTS ROLLER - CR02

## 1 Product Type & Info

<b>Product Classification:</b>	MTS Treatment Product
<b>Product Type:</b>	Microneedle Roller
<b>Country of Origin:</b>	U.S.A.
<b>Available Size:</b>	0.2mm



## 2 Description

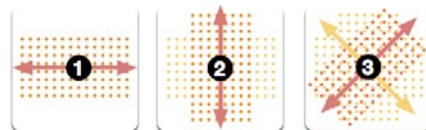
It is a procedure which stimulates the skin to produce new collagen formation, thereby reducing wrinkles, and improving skin texture. A roller with very fine needles is used to produce many microscopic channels in the skin, which stimulate your own body to produce new collagen. These channels significantly improve the penetration of therapeutic active ingredients (called MTS Treatments) as well as multi-peptides, vitamins, or any other liposomal serums. MTS Treatments stimulate skin renewal, thereby making the skin appear fresher and younger. MTS is different to artificial injectable collagen, as the effects of collagen induction activities are long lasting.

MTS Roller is a durable and high-quality precision tool. The barrel and handle are made from Lexan® polycarbonate resin. The axle is polished stainless steel axle. The 200 bristles (needles) – the highest count of any roller – are made from surgical stainless steel. A patented manufacturing process holds the needles permanently in place to within 0.02mm of the specified length from the roller base. All rollers have unique quality-control serial numbers.

## 3 Key Points

- The treatment is almost free of pain
- There are no known negative side-effects
- You can use it at home, when ever you wish
- Apply your cosmetic on the skin – and roll it in
- A precision German-made instrument that will last for hundreds of treatments.
- The process stimulates physiological responses

## 5 Direction for use



Divide the treatment area(s) into sub-divisions, for instance the forehead, nose, cheeks, mouth area, and neck area. Apply MTS-Roller with the same amount of pressure on the skin throughout. Roll the same areas vertically and horizontally.

## 6 Cautions

Keep out of reach of children.

MTS Personal Care Series

# MTS STERILIZING SOLUTION

## 1 Product Type & Info

<b>Product Classification:</b>	MTS Treatment Product
<b>Product Type:</b>	Cleaning Solution
<b>Manufactured by:</b>	Clinical Resolution Lab., Inc.
<b>Available Size:</b>	120ml / 4.0 fl.oz.



## 2 Description

## 3 Ingredients

## 4 Key Points

## 5 Direction for use

## 6 Cautions

Keep out of reach of children.