UltraMIST®
Ultrasound Healing Therapy

UltraMIST® Therapy is supported by a vast array of pre-clinical and clinical evidence[4-24]*

A meta-analysis evaluating MIST® technology[9*]:

- 85% area reduction in 7 weeks
- 80% volume reduction in 12 weeks
- 42% healed at 12 weeks (compared to 24% with SC[23])
- Mean time to heal = 8.2 weeks
- 79% pain reduction

UltraMIST Therapy demonstrates consistency of reduction in wound care, volume, pain, and healing times across a wide range of wounds.

Ordering Information:

- UltraMIST Ultrasound Healing Therapy System – Item CP-80030
- UltraMIST Roll Stand Cart – Item CP80038
- UltraMIST Cart Adapter Plate – Item CP-80037
- UltraMIST Applicators (case of 12) – Item CP-80040

*Data were compiled utilizing MIST Therapy. UltraMIST is the successor but maintains the same mechanism of action.

References: 1. Serena T, Lee SK, Lam K, Attar P, Meneses P, Ennis W. The impact of noncontact, nonthermal, low-frequency ultrasound on bacterial counts in experimental and chronic wounds. *Ostomy Wound Manage.* 2009;55(1):22-30. **2.** Kavros SJ, Schenck EC. Use of noncontact low-frequency ultrasound in the treatment of chronic foot and leg ulcerations: a 51 patient analysis. *J Am Podiatr Med Assoc.* 2007;97(2):95-101. **3.** Escandon J, Vivas AC, Perez R, Kirsner R, Davis S. A prospective pilot study of ultrasound therapy effectiveness in refractory venous leg ulcers. *Int Wound J.* 2012;9(5):570-578. **4.** Yao M, Hasturk H, Kantarci A, et al. A pilot study evaluating noncontact low frequency ultrasound and underlying molecular mechanism on diabetic foot ulcers. *Int Wound J.* 2014;11(6):586-593. **5.** Ennis WJ, Valdes W, Gainer M, Meneses P. Evaluation of clinical effectiveness of MIST ultrasound therapy for the healing of chronic wounds. *Adv Skin Wound Care.* 2006;19(8):437-446. **6.** Lai JY, Pittelkow MR. Physiological effect of ultrasound mist on fibroblasts. *Int J Dermatol.* 2007;46(6):587-593. **7.** Maan ZN, Januszyk M, Rennert C, et al. Noncontact, low-frequency ultrasound therapy enhances neovascularization and wound healing in diabetic mice. *Plast Reconstr Surg.* 2014;134(3):402e-411e. **8.** Thawer HA, Houghton PE. Effects of ultrasound delivered through a mist of saline to wounds in mice with diabetes mellitus. *J Wound Care.* 2004;13(5):1-6. **9.** Driver VR, Yao M, Miller CJ. Noncontact low-frequency ultrasound therapy in the treatment of chronic wounds: a meta-analysis. *Wound Repair Regen.* 2011;19(4):475-480. **10.** Gibbons GW, Orgill DP, Serena TE, et al. A prospective, randomized, controlled trial comparing the effects of noncontact, low-frequency ultrasound to standard care in healing venous leg ulcers. *Ostomy Wound Manage.* 2015;61(1):16-29. **11.** Prather JL, Tummel EK, Patel AB, Smith DJ, Gould LJ. Prospective randomized controlled trial comparing the effects of noncontact low frequency ultrasound to standard care in healing split-thickness donor sites. *J Am Coll Surg.* 2015;221(2):309-318. **12.** White J, Ivins N, Wilkes A, Carolan-Rees G, Harding KG. Noncontact low-frequency ultrasound therapy compared with UK standard of care for venous leg ulcers: a single-centre, assessor-blinded, randomised controlled trial. *Int Wound J.* 2016;13(5):833-842. **13.** Beheshti A, Shafigh Y, Parsa H, Zangivand A. Comparison of high-frequency and MIST ultrasound therapy for the healing of venous legulcers. *Adv Clin Exp Med.* 2014;23(6):969-975. **14.** Olyaie M, Rad FS, Elahifar MA, Garkaz A, Mahsa G. High-frequency and noncontact low-frequency ultrasound therapy for venous leg ulcer treatment: a randomized, controlled study. *Ostomy Wound Manage.* 2013;59(8):14-20. **15.** Kavros SJ, Miller JL, Hanna SW. Treatment of ischemic wounds with noncontact low-frequency ultrasound: the Mayo Clinic experience, 2004-2006. *Adv Skin Wound Care.* 2007;20(4):221-226. **16.** Ennis WJ, Formann P, Mozen N. Ultrasound therapy for recalcitrant diabetic foot ulcers: results of a randomized, double-blind, controlled multicenter study. *Ostomy Wound Manage.* 2005;51(8):24-39. **17.** Honaker JS, Forston MR, Davis EA, Wiesner MM, Morgan JA. Effects of noncontact low-frequency ultrasound on healing of suspected deep tissue injury: A retrospective analysis. *Int Wound J.* 2013;10(1):65-72. **18.** Kavros SJ, Liedl DA, Boon AJ, Miller JL, Hobbs JA, Andrews KL. Expedited wound healing with noncontact, low-frequency ultrasound therapy in chronic wounds; a retrospective analysis. *Adv Skin Wound Care.* 2008;21(9):416-423. **19.** Gehling ML, Samies JH. The effect of noncontact, low-intensity, low-frequency therapeutic ultrasound on lower-extremity chronic wound pain: a retrospective chart review. *Ostomy Wound Manage.* 2007;53(3):44-50. **20.** Bell AL, Cavorsi J. Noncontact ultrasound therapy for adjunctive treatment of nonhealing wounds: retrospective analysis. *Phys Ther.* 2008;88(12):1517-1528. **21.** Cole PS, Quisberg J, Melin MM. Adjuvant use of acoustic pressure wound therapy for treatment of chronic wounds. *J Wound Ostomy Continence Nurs.* 2009;36(2):171-177. **22.** Haan J, Lucich S. A retrospective analysis of acoustic pressure wound therapy: effects on the healing progression of chronic wounds. *J Am Col Certif Wound Spec.* 2009;1(1):28-34. **23.** Margolis DJ, Kantor J, Berline JA. Healing of diabetic neuropathic foot ulcers receiving standard treatment – a meta-analysis. *Diabetes Care.* 1999;22(5):692-695. **24.** Seth AK, Mustoe TA, Galiano RD, et al. Noncontact, low-frequency ultrasound as an effective therapy against Pseudomonas aeruginosa–infected biofilm wounds. *Wound Repair Regen.* 2013;21(2):266-274.

For more information, please contact Celularity at 1-844-963-2273 or refer to the UltraMIST Therapy Instructions for Use.

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UltraMIST®
Ultrasound Healing Therapy

Mechanism of Action:

The Science Behind the Solution

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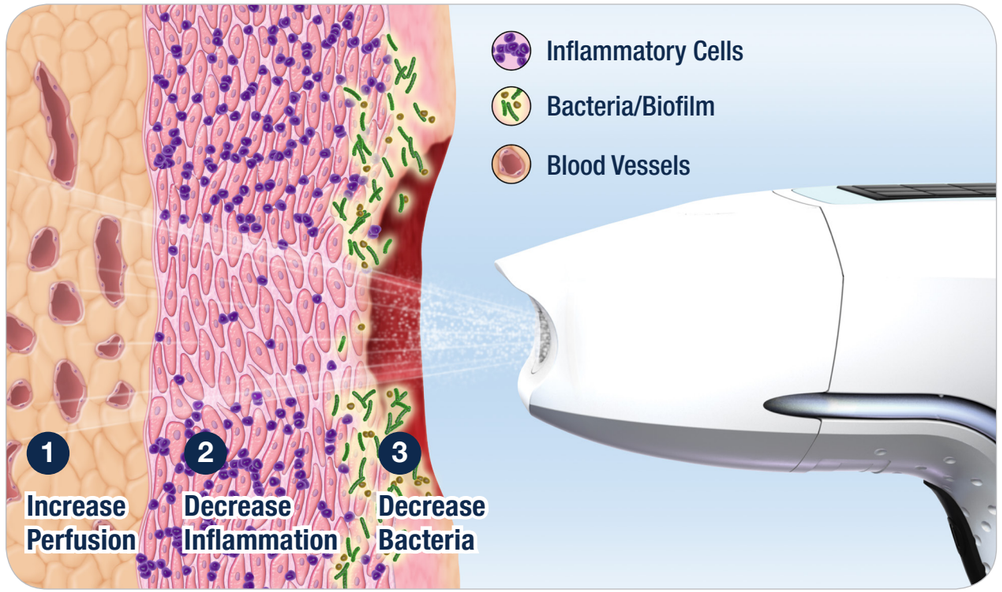
UltraMIST®
Ultrasound Healing Therapy

Multiple physiologic responses to UltraMIST® Therapy

Indications for Use: MIST Systems produce a low energy ultrasound-generated mist used to promote wound healing through wound cleansing and maintenance debridement by the removal of fibrin, yellow slough, tissue exudates and bacteria.



Powerful ultrasound energy is transferred to the wound surface and deep below to promote healing

Removes Barriers

- Reduces a wide range of bacteria[1,2]
- Reduces sustained inflammation[3,4]

Promotes Healing

- Increases perfusion through vasodilation[5]
- Increases oxygen and nutrients to the tissue[2,5]

Important Risk Information

Do not use near electronic implants/prosthesis; on the lower back during pregnancy or over the pregnant uterus; over areas of malignancies. Tingling and redness may occur. Do not allow the treatment wand or applicator to contact the patient's skin directly. Please refer to the Instructions for Use for additional information.

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UltraMIST® Therapy has been clinically demonstrated to promote wound healing across a wide range of chronic and acute wounds.

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