

CROSS-LINKED HA + MULTIFRACTIONAL INTERCALATED HA

ARMONA

HYDRATION RESTORING



VOLUMES RECREATION



Take Care of Yourself INTIMATE REJUVENATION



INTIMATE REJUVENATION



TREATMENT WITHOUT SURGERY

It is now possible to counteract the normal aging process in the genital area, correcting aesthetic and functional imperfections. **REJUVENATING** and recreating the lost **VOLUME** of the genitals is now possible with Regenyal **ARMONIA** and Regenyal **ARMONIOSO**.

BIORIV@LUMETRIA

The biorivolumetric products are MONOPHASIC GELS obtained from a "GENTLE CROSS-LINKING" process of Hyaluronic Acid molecules of different weights. This process allows a 3D matrix to be obtained with optimal viscosity. The low temperature limits depolymerisation of the sodium hyaluronate raw material, preserving its rheological properties and reducing the necessary amounts of cross-linking reagent. The intercalation helps protect the linear Hyaluronic Acid against enzymatic degradation, preserving its biological activity. Compared to common fillers, the particles are smaller which helps the product integrate and distribute better within the tissues, avoiding a string-effect and providing for a natural corrective effect.

The innovative manufacturing process makes it possible to use smaller quantities of the cross-linking agent (BDDE), in comparison to common fillers with equal degree of viscosity (on average 30% less). This guarantees a free crosslinked residue <0.1 PPM





2 Thousand Daltons + 100 Thousand Daltons + 200 Thousand Daltons + 500 Thousand Daltons + 1 Million Dalton

THE FRAGMENTATION HELPS OBTAIN DIFFERENT MOLECULAR FRACTIONS, EACH WITH A TARGETED ACTION. THE PROCESS IS PERFORMED BY IMPLEMENTING HEAT AND ULTRASOUND IN A HIGHLY ALKALINE ENVIRONMENT STARTING FROM A FRACTION OF 1 M DALTONS.

RECEIVA		RCAMA AMONTOSQ		
MOISTURIZES THE VAGINAL MUCOSA AND REDUCES VAGINAL DRYNESS	IMPROVES THE SEX LIFE	PROVIDES VOLUMIZATION OF HYPOTROPHIC AREAS AND CORRECTS ASYMMETRIES	MPROVES THE SEX LIFE	
HELPS REMOVE DYSPAREUNIA FROM POSTPARTUM EPISIOTOMY SCARS	GIVES TONE, ELASTICITY AND HYDRATION TO THE PERINEAL AND VULVOVAGINAL TISSUES	RESTORES THE LOST VOLUME OF THE LABIA MAJORA AND LABIA MINORA	CIVES TONE, ELASTICITY AND HYDRATION TO THE PERINEAL AND VULVOVAGINAL TISSUES	

		MOLECULAR WEIGHT	HA CONCENTRATION	CROSS-LINKING AGENT	
ARMONIA	Hyaluronic Acid CROSS-LINKED AND LINEAR INTERCALATED	1 M + 500 K DALTONS CROSS-LINKED + 12% HA LINEAR INTERCALATED 2 K 100 K 200 K 500 K 1 MILLION DALTONS	25 MG/G (PACKAGE 2x1ml) 75 MG/3G (PACKAGE 1x3ml)	BDDE RESIDUAL <0,1 PPM	5/6 MONTHS

0		MOLECULAR WEIGHT	HA CONCENTRATION	CROSS-LINKING AGENT	
ARMONIOS	Hyaluronic Acid CROSS-LINKED AND LINEAR INTERCALATED	2 M + 1 M DALTONS CROSS-LINKED + 7% HA LINEAR INTERCALATED 2 K 100 K 200 K 500 K 1 MILLION DALTONS	75 MG/3G (PACKAGE 1x3ml)	BDDE RESIDUAL <0,1 PPM	7/8 MONTHS



Cross-linked HA + Multifractional intercalated HA INTIMATE REJUVENATION

BIBLIOGRAPHY

Meyer LJ, Stern R., Age-Dependent Changes of Hyaluronan in Human Skin. J Invest Derm 1994;102(3):385-9
 Ghersetich I, Lotti T, Campanile G, Grappone C, Dini G., Hyaluronic acid in cutaneous intrinsic aging. Int J Derm 1994;33(2):119-22

 Goa KL, Benfield P, Hyaluronic Acid: a review of its pharmacology and use a surgical Aid in ophthalmology, and its therapeutic potential in joint disease and wound healing. Drugs 1994;47(3):536-66

 Kee CM, Penno MB, Cowman M et AI. Hyaluronan (HA) fragments induce chemokine gene expression in alveolar macrophages. The role of HA size and CD44. J Clin Invest 1996; 98(10):2403-13.

5. Tawada A, Masa T et Al. Large-scale preparation, purification, and characterization of hyaluronan oligosaccharides from 4-mers to 52 mers. Glycobiology 2002 Jul;12(7):421-6.

6. Presti D, Scott J, Hyaluronan-mediated protective effect against cell damage caused by enzymatically produced hydroxyl (OH) radicals dependent on hyaluronan molecular mass. Cell Biochem. Funct 12:281,1994

Alessandrini A, Biorivolumetria products volume and regeneration. P Int J of Aest Med 2015 Mar; Vol. 5:78-79
 Alessandrini A, Zazzetta M. Biorivolumetria seen under a microscope. In vitro tests to evaluate regenerative effect of Biorivolumetria products. La Med Estet 2015 July-Sept: Vol.3

 Grimaldi EF, Restaino S, et al. Role of high molecular weight hyaluronic acid in postmenopausal vaginal discomfort. Minerva Ginecol. 2012 Aug;64(4):321-9. 10. Levine KB1, Williams RE, Hartmann KE. Vulvovaginal atrophy is strongly associated with female sexual dysfunction among sexually active postmenopausal women Menopause. 2008 Jul-Aug;15(4 Pt 1):661-6

11. Carta G., Cerrone L., lovenitti P, Postoperative adhesion prevention in gynecologic surgery with hyaluronic acid. Clin Exp. Obstet. Gynecol. Jan 2004, 31(1):39-41

12. Fasola E., Gazzola R., Labia Majora Augmentation with Hyaluronic Acid Filler: Technique and Results. Aesthet Surg J. 2016 Nov;36(10):1155-1163

 Olivia C., Fasola E., Perella E., Fiorelli C., Saccucci S., M230 Blindly cross-linked hyaluronic acid infiltration in cosmetic and functional treatment of vulvo-vaginal atrophy. Int J of Gyn & Obst 2012;S531-S867;
 Becker LC., Bergfeld WF., Belsito Dv., et al., Final report of the safety assessment of hyaluronic acid, potassium

 Deckel LC., beighed wr., beisio UV., et al., Final report of the safety assessment of hyalutonic actu, potassium hyaluronate, and sodium hyaluronate. Int J Toxicol, 2009 Jul-Aug;28(4 Suppl):5-67

 Iannitti T., Bingöl A. Ö., Rottigni V., Palmieri B. A new highly viscoelastic hyaluronic acid gel: rheological properties, biocompatibility and clinical investigation in esthetic and restorative surgery. Int J Pharma Nov 2013;456(2):583-592

Poramede N., Hyaluronic acid injection. Ann Dermatol Venerol 2009; 6:287
 Kim JJ.,Kwak TI, Jeon BG and Moon DG, Human glans penis augumentation using injectable hyaluronic acid

gel. Int J of Impot Research 2003;15:439-443
18. TI Kwak, Oh M, JJ Kim DG Moon, The effects of penile girth enhancement using injectable hyaluronic acid gel, a filler. J sex med. 2011 Dec:8(12):3407-13



REGENYAL LABORATORIES Srl Via Valtellina, 19/21/23 63074 San Benedetto del Tronto (AP) www.regenyal.eu - ITALY









RECENTAL MONOSO