

# DERMAL FILLER PRODUCT COMPARISON CHART

Manufacturer	Product(s)	Key Component	Description	Physician Price	Regulatory Status
<b>Adoderm</b>	VARIODERM Fine Line VARIODERM VARIODERM Plus VARIODERM Subdermal	Non-animal Hyaluronic Acid	6mg/ml; for superficial wrinkles and lip augmentation. 12 mg/ml; for medium wrinkles and lip contour. 18 mg/ml; for deep wrinkles and volume. 27 mg/ml; for volume augmentation and facial contouring.		Marketed in Europe and other countries.
	VARIODERM Lips and Medium		12 mg/ml; special formulation for lip augmentation and medium wrinkles.		CE marked, marketed in Europe and other countries.
<b>Alcon Laboratories, Inc.</b>	Silikon 1000	Silicone	Purified, medical grade polydimethylsiloxane oil – 1000 cs. For microdroplet injection.	\$100 per vial	Silikon 1000 is approved by the FDA for retinal detachments, but not for facial filler indications. Off label use only.
<b>Allergan</b>	Zyderm 1 Zyderm 2 Zyplast	Purified Bovine Collagen + Lidocaine	Purified bovine-based collagen 35 mg/ml x 6. Purified bovine-based collagen 65 mg/ml x 6. Purified bovine-based collagen 35 mg/ml, cross-linked with glutaraldehyde x 6. *All collagen products contain 0.3% lidocaine.	\$145 \$150 \$165	Worldwide Worldwide Worldwide
	CosmoDerm CosmoPlast	Purified Human-based Collagen + Lidocaine	Purified human-based collagen 35 mg/ml. Purified human-based collagen 35 mg/ml, cross-linked with glutaraldehyde. *All collagen products contain 0.3% lidocaine.	\$205 \$235	Worldwide Worldwide
	HydraFill – Softline	Non-animal Hyaluronic Acid	Non-animal, cross-linked cohesive hyaluronic acid 24 mg/g.	\$200 – \$225	CE mark.
	HydraFill – Softline Max		Non-animal, cross-linked cohesive hyaluronic acid 24 mg/g.	\$200 – \$225	CE mark.
	Juvéderm ULTRA 2	Non-animal Hyaluronic Acid + Lidocaine	Non-animal, cross-linked cohesive hyaluronic acid 24 mg/g.	\$200 – \$225	CE mark.
	Juvéderm ULTRA 3		Non-animal, cross-linked cohesive hyaluronic acid 24 mg/g.	\$200 – \$225	CE mark.
	Juvéderm ULTRA 4		Non-animal, cross-linked cohesive hyaluronic acid 24 mg/g. *All Juvéderm ULTRA products contain 0.3% lidocaine.	\$245	CE mark.
	Juvéderm VOLUMA	Non-animal Hyaluronic Acid	Non-animal, cross-linked cohesive hyaluronic acid 20 mg/g.	Contact mfr.	CE marked for facial volume restoration.
<b>Anteis S.A.</b>	Esthélis – Soft 20 mg/ml Esthélis – Basic 22.5 mg/ml Fortélis Extra 25.5 mg/ml	Hyaluronic Acid Hyaluronic Acid	Non-animal 5 phase cross-linked hyaluronic acid with CPM (Cohesive Polydensified Matrix) technology.	\$100 per 0.6 ml	Approved in Europe, Canada, Israel, South Korea and other markets globally. CE mark. Pending approval in Canada and South Korea.
<b>BioForm Medical</b>	Radiesse	CaHA	Synthetic calcium hydroxylapatite (CaHA-55.7%) microspheres, 25 – 45 microns, suspended in an aqueous polysaccharide gel (1.3% sodium carboxymethylcellulose USP, 6.4% glycerin USP & 36.6% water USP).	\$250	FDA approved. CE marked in Europe.
<b>BioPolymer GmbH &amp; Co. KG</b>	MATRIDEX MATRIDUR MATRIGEL	DEAE Sephadex	MATRIDEX: synthetic hyaluronic acid sodium salt 25 mg, hypromellose 15 mg, positively charged DEAE sephadex particles 25 mg (cross-linked dextran). MATRIDUR: synthetic stabilized hyaluronic acid sodium salt 25 mg and hypromellose 5 mg. MATRIGEL: stabilized HA 12.25 mg.	\$250 – \$350	CE mark – no FDA approval.
<b>Contura International A/S</b>	Aquamid Aquamid Reconstruction	PAAG	2.5% cross-linked hydrophilic polyacrylamide gel (PAAG) and 97.5% water.	\$350+	Not yet approved by the FDA – trials under way. For investigational use only in U.S. CE marking: CE 0543 – March 2001. Sold in more than 30 countries around the world.
<b>Dermabiol Institute of Kuhra Vital GmbH</b>	Rhegecoll	PMMA	Rhegecoll: 40% bovine collagen from U.S. calves, 15% A.D.N., 5% embryoblasts (stem cell) 10% polymethacrylate, 15% copolymer 4-G, 15% stabilizer / emulsifier.	n/a	Not approved in U.S., worldwide registrations pending.
<b>Fascia Biosystems</b>	Fascian	Fascia	Human allograft material – fascia, collected from human cadaver donors. Reconstituted with sterile normal saline, 0.5% lidocaine.	\$250+	Fascian is a tissue product as classified by the FDA, there are no off-label uses – hence a physician can use as desired.

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<b>FibroGen, Inc.</b>	FG-5017 (rhCIII) – synthetic human collagen (type III).	Human Collagen	FG-5017 dermal filler is comprised of a cross-linked formulation of recombinant human collagen type III in saline with lidocaine. Formed collagens based on human DNA sequences in yeast cultures.	n/a	Pending approval. Completed human safety clinical trial of recombinant human collagen type III. The pivotal efficacy and safety study required for regulatory approval of FG-5017 is expected to begin in 2005.
<b>Laboratories ORGéV</b>	MacDermol S  MacDermol R	Avian Hyaluronic Acid / Chitosan	MacDermol S – Avian non cross-linked hyaluronic acid (2.1%) sodium chloride.  MacDermol R – Avian cross-linked hyaluronic acid (3.4%) chitosan chondroitin sulfate sodium chloride.	n/a	CE mark – no FDA approval.
<b>LCA Pharmaceutical</b>	Hyaluderm	Hyaluronic Acid	Hyaluderm – non cross-linked sodium hyaluronate, 2.0% to 2.5%.	\$150	CE mark – no FDA approval.
<b>Medicis</b>	Restylane Restylane Touch Restylane Perlane Restylane Sub-Q	NASHA	NASHA gel – a non-animal hyaluronic acid, stabilized with BDDE. The differentiation is in the size of the NASHA particles, to assure a tissue-tailored range of products. Restylane Touch – 500,000 particles per mL. Restylane – 100,000 particles per mL. Restylane Perlane – 10,000 particles per mL. Restylane Sub-Q – 1,000 particles per mL.	\$275 per cc	Restylane is approved in the U.S. and Canada. Restylane Perlane and Restylane Fine Lines are approved in Canada / pending FDA approval. Sub-Q is in the approval process.
<b>Mentor Corporation in conjunction with Genzyme Corporation</b>	Puragen Puragen Plus  Prevelle Silk	Hyaluronic Acid	Puragen/Puragen Plus: Non-animal derived double cross-linked (DXL technology). Puragen Plus contains lidocaine integrated directly into the formula.  Prevelle Silk: Non-animal derived cross-linked hyaluronic acid, 5.5 mg/ml with 0.3% lidocaine integrated directly into the formula.	\$270 per cc	Puragen/Puragen Plus: Europe clearance – CE mark. FDA clearance pending.  Prevelle Silk: FDA approved. Europe clearance – CE mark.
<b>Merz Pharma GmbH &amp; Co. KGaA</b>	Belotero Soft – 20 mg/ml Belotero Basic – 22.5 mg/ml	Hyaluronic Acid	Non-animal double phase cross-linked hyaluronic acid – via biofermentation – with CPM (Cohesive Polydensified Matrix) technology.	\$250 per box of 2 syringes.	CE mark – October 2004 – Merz received the marketing rights for Germany, Austria, Switzerland, Russia and Italy from Anteis SA. U.S. approval pending.
<b>Nordic Aesthetics (by S&amp;V, Germany)</b>	Amalian I  Amalian II  Amalian III Amalian Lip  Amalian Balance	Non-animal Hyaluronic Acid	8.4 mg/ml, bi-phasic gel of cross-linked HA micro-particles dispersed in non cross-linked HA (CIS technology), 1 ml and 2 ml syringes.  24 mg/ml, bi-phasic gel of cross-linked HA micro-particles dispersed in non cross-linked HA (CIS technology), 1 ml and 2 ml syringes.  Same as above.  24 mg/ml, biphasic gel of cross-linked HA micro-particles dispersed in non cross-linked HA (CIS technology), 0.5 ml and 1 ml syringes.  12 mg/ml, non cross-linked HA for skin rejuvenation and hydration, 2 ml syringe.	n/a	CE mark.  CE mark.  CE mark.  CE mark.  CE mark.
<b>Ortho Dermatologics Aesthetics/ColBar LifeScience Ltd.</b>	EVOLENCE EVOLENCE Breeze (not available in the U.S.)	Porcine Collagen	35 mg of cross-linked porcine (tendons) collagen – glycation with a natural sugar – dispersed in a phosphate buffered saline solution. GLYMATRIX technology provides a collagen that extends the benefits for up to 12 months.	\$250+	Approved in Europe, Canada, Israel, South Korea and other markets globally. FDA approved.
<b>Polymekon</b>	BIO-ALCAMID – Face BIO-ALCAMID – Lips BIO-ALCAMID – Body  Bioinblue – Lips Bioinblue – DeepBlue	Poly – Acrylamide  PVA	BIO-ALCAMID – 96% water and 4% synthetic reticulate polymer (poly-Alkyl-mide). Lips is soft and compact. Face has the same composition (it is not a dilution), Body has the same consistency as the Face form, but contains more material. Bioinblue – PVA (polyvinyl alcohol 8%) and water (92%).	\$250+	
<b>ProCytech SA</b>	Outline Fine Outline Original Outline Ultra  Evolution	Poly – Acrylamide-co-DADMA	Outline is absorbable poly (acrylamide-co-DADMA) gel.  Evolution is a mixture of microscopic soft spheres of polyvinyl in a viscoelastic gel of poly (acrylamide-co-DADMA) gel.	\$225+	Approved in Europe.

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<b>Prolenium Medical Technologies</b>	Revanesse Pure	Non cross-linked Hyaluronic Acid Non-animal Hyaluronic Acid Non-animal Hyaluronic Acid High-viscosity, non-animal Hyaluronic Acid Non-animal Hyaluronic Acid, Dextranomer Beads Non-animal Hyaluronic Acid, Dextranomer Beads	14 mg/ml hyaluronic acid for bio-revitalization.	n/a	CE marked, Health Canada.
	Revanesse		25 mg/ml stabilized hyaluronic acid.	n/a	CE marked, Health Canada.
	Revanesse Lips		25 mg/ml stabilized hyaluronic acid.	n/a	CE marked.
	Revanesse Ultra		25 mg/ml stabilized hyaluronic acid.	n/a	CE marked, Health Canada. FDA expected in early 2010.
	ReDexis		25 mg/ml stabilized hyaluronic acid, 25 mg/ml dextranomer beads.	n/a	CE marked, Health Canada, Korea.
	ReDexis Ultra		17 mg/ml stabilized hyaluronic acid, 50 mg/ml dextranomer beads.	n/a	CE marked, Health Canada.
<b>Q-Med AB</b>	Restylane Restylane Touch Restylane Perlane Restylane Sub-Q Restylane Lipp Restylane Vital	NASHA	NASHA gel – a non-animal hyaluronic acid, stabilized with BDDE. The differentiation is in the size of the NASHA particles, to assure a tissue-tailored range of products. Restylane Touch – 500,000 particles per ml. Restylane – 100,000 particles per ml. Restylane Perlane – 10,000 particles per ml. Restylane Sub-Q- 1,000 particles per ml.	\$275 per cc	Restylane is approved worldwide with the exception of Japan. Restylane Perlane, Restylane Sub-Q and Restylane Touch are approved worldwide with the exception of Japan and U.S. U.S. approval in progress. Restylane Lipp approved in Europe.
	Macrolane VRF30 Macrolane VRF20	Non-animal Hyaluronic Acid	Concentration 20 mg/ml.	n/a	CE mark.
<b>Sanofi-Aventis</b>	Sculptra – U.S., also known as New-Fill or New-Filla	PLLA	Poly-L-Lactic acid (PLLA) hydrogel belonging to the family of aliphatic polyesters. Synthesized from corn.	\$480 per vial	FDA has approved Sculptra as the only product for the restoration and/or correction of the signs of facial fat loss (lipoatrophy). Approved in Europe in 2000 as NewFill – 2004 as Sculptra for facial aesthetic use.
<b>Stiefel</b>	Atléan BTCP	BTCP	Tricalcium phosphate suspended in hyaluronic acid.	n/a	CE mark.
<b>Teoxane Laboratories</b>	Teosyal Global Action Teosyal Deep Lines Teosyal Kiss Teosyal Ultra Deep Teosyal First Lines Teosyal Touch Up Teosyal Meso	Hyaluronic Acid	100% hyaluronic acid-based, resorbable and of non-animal origin.	\$250 per box of 2 syringes.	Europe CE mark. U.S. approval in progress.