

DERMAL FILLER PRODUCT COMPARISON

| Manufacturer | Product(s) | Key Component | Description | Physician Price | Regulatory Status |
|---|--|---|---|-------------------------|---|
| ABR-Development | Atléan BTCP | BTCP | Tricalcium phosphate suspended in hyaluronic acid. | n/a | CE mark. |
| Adoderm | 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. |
| Alcon Laboratories, Inc. | 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. |
| Allergan | 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. |
| Anteis S.A. | 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. |
| Artes Medical | ArteFill | PMMA | 20% polymethylmethacrylate (PMMA) – 30 to 50 microns – 80% purified bovine collagen gel and 0.3% lidocaine. | \$700 – \$800 per cc | FDA approved. |
| BioForm | 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 | Worldwide |
| BioForm Medical (Russia) | Argiform | PAAG | Generation polyacrylamide gel comprised of 95% polyacrylamide and 5% water. | | N/A |
| BioPolymer GmbH & Co. KG | 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. |
| ColBar LifeScience Ltd. | EVOLENCE EVOLENCE Breeze | 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. Not yet approved by the FDA. For investigational use only in U.S. |
| Contura International A/S | 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. |
| Dermabiol Institute of Kuhra Vital GmbH | Rhegecoll | PMMA | Rhegecoll: 40% bovine collagen from U.S. calves, 15% A.D.N., 5% embryoblastos (stem cell) 10% polymethacrylate, 15% copolymer 4-G, 15% stabilizer / emulsifier. | n/a | Not approved in U.S., worldwide registrations pending. |

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| Dermatech (Paris) | DermaLive Dermadeep | HEMA / EMA | 60% stabilized hyaluronic acid plus 40% acrylic hydrogel (hydroxyethylmetacrylate – HEMA and ethylmetacrylate (EMA) co-polymer particles by volume. DermaLive – 200 mg 45 – 65 micro beads, 14.4 mg HA. Dermadeep – 200 mg 80 – 110 micro beads, 14.4 mg HA. | n/a | DermaLive – Approved in Europe 1998, Canada 2003. Dermadeep – Approved in Europe 1998, Canada 2003. |
| Fascia Biosystems | 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. |
| FibroGen, Inc. | 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. |
| FuHua High Molecular Matter Company, Ltd. | Amazingel | PAAG | Hydrophilic Polyacrylamide Gel. | n/a | Approved in Asia – China in 2000. |
| FzioMed, Inc. | Laresse Dermal Filler | Carboxymethylcellulose, Polyethylene Oxide | Non-permanent, long lasting, ultra smooth dermal filler, containing no bacterial or animal by-products, no cross-linking chemicals and no gel particles. | n/a | CE mark approved. |
| Isolagen, Inc. | Isolagen | Autologous fibroblast cells | Isolagen – autologous cellular system – cultured human fibroblasts. | \$900 – \$1000 | Available only in UK. Filed IND with FDA – approved. |
| Laboratories ORGéV | 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. |
| LCA Pharmaceutical | Hyaluderm | Hyaluronic Acid | Hyaluderm – non cross-linked sodium hyaluronate, 2.0% to 2.5%. | \$150 | CE mark – no FDA approval. |
| Medicis | 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. |
| Mentor Corporation in conjunction with Genzyme Corporation | 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. |
| Merz Pharma GmbH & Co. KGaA | 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. |
| Nordic Aesthetics (by S&V, Germany) | 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. |

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|--|---|--|--|---|--|
| Polymekon | 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+ | BIO-ALCAMID – CE mark in 2001 – no FDA approval. Bioinblue – CE mark in 2003 – no FDA approval. |
| ProCytech SA | 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. |
| Prollenium Medical Technologies | Revanesse Revanesse Ultra ReDexis | Hyaluronic Acid | Revanesse – cross-linked HA 25 mg, hypromellose 12.5 mg. Revanesse Ultra – high viscosity, cross-linked, reticulated hyaluronic acid 25 mg, hypromellose 15 mg. ReDexis – cross-linked reticulated hyaluronic acid 25 mg, hypromellose 15 mg, dextronomer DEAE 25 mg. | \$175 – \$225 per cc | Approved in Canada. U.S. approval pending. |
| Q-Med AB | Restylane Restylane Touch Restylane Perlane Restylane Sub-Q Restylane Lipp Restylane Vital Macrolane VRF30 Macrolane VRF20 | NASHA Non-animal Hyaluronic Acid | 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. Concentration 20 mg/ml. | \$275 per cc n/a | 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. CE mark. |
| Rofil / Philoderm | REVIDERM Rofilan Beautical 2 Beautical 5 | Dextran-Sephadex Hyaluronic Acid Poly Acrylamide | REVIDERM – 25 mg/ml sephadex (Dextran) 40-60 microns, 20 mg/ml cross-linked synthetic hyaluronic acid. Rofilan – 20 mg/ml cross-linked hyaluronic acid. Beautical 2 – Polyacrylamid gel. Beautical 5 – Polyacrylamid gel. | REVIDERM: \$336 Rofilan: \$235 Beautical 2: \$150 Beautical 5: \$190 | Approval in Europe, Canada and most other countries. Not approved in the U.S. |
| Sanofi-Aventis | 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. |
| Teoxane Laboratories | 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. |
| Uroplasty | Bioplastique | Silicone | Solid silicone microspheres (100 to 400 and 600 µm) suspended in a polyvinylpyrrolidone vector. | | CE mark. |