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Subject: Bio-Engineered Skin and Soft Tissue Substitutes; Amniotic Membrane and Amniotic Fluid

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Position Statement	Billing/Coding	Reimbursement	Program Exceptions	Definitions	Related Guidelines
Other	References	Updates			

DESCRIPTION:

Bio-engineered skin and soft tissue substitutes may be derived from human tissue (autologous or allogeneic), non-human tissue (xenographic), synthetic materials, or a composite of these materials. Bioengineered skin and soft tissue substitutes are being evaluated for a variety of conditions, including breast reconstruction and healing lower-extremity ulcers and severe burns. Acellular dermal matrix (ADM) products are also being evaluated for soft tissue repair. Bioengineered skin and soft tissue substitutes may be either acellular or cellular. Acellular products (eg, dermis with cellular material removed) contain a matrix or scaffold composed of materials such as collagen, hyaluronic acid, and fibronectin. Acellular dermal matrix (ADM) products can differ in a number of ways, including as species source (human, bovine, porcine), tissue source (eg dermis, pericardium, intestinal mucosa), additives (eg antibiotics, surfactants), hydration (wet, freeze-dried), and required preparation (multiple rinses, rehydration). Cellular products contain living cells such as fibroblasts and keratinocytes within a matrix. The cells contained within the matrix may be autologous, allogeneic, or derived from other species (eg, bovine, porcine). Skin substitutes may also be composed of dermal cells, epidermal cells, or a combination of dermal and epidermal cells, and may provide growth factors to stimulate healing. Bioengineered skin substitutes can be used as either temporary or permanent wound coverings.

Several commercially available forms of human amniotic membrane (HAM) and amniotic fluid can be administered by patches, topical application, or injection. Amniotic membrane and amniotic fluid are being evaluated for the treatment of various conditions, including chronic full thickness diabetic lower extremity ulcers, venous ulcers, knee osteoarthritis, plantar fasciitis, and ophthalmic conditions. Human amniotic membrane (HAM) consists of 2 conjoined layers, the amnion, and chorion, and forms the innermost lining of the amniotic sac or placenta. When prepared for use as an allograft, the membrane is harvested immediately after birth, cleaned, sterilized, and either cryopreserved or dehydrated. Many products available using amnion, chorion, amniotic fluid, and umbilical cord are being studied for the treatment of a variety of conditions, including chronic full-thickness diabetic lower-extremity ulcers, venous ulcers, knee osteoarthritis, plantar fasciitis, and ophthalmic conditions. The products are formulated either as patches, which can be applied as wound covers, or as suspensions or particulates, or connective tissue extractions, which can be injected or applied topically. Injection of amniotic fluid or amniotic fluid-derived cells is currently being evaluated for the treatment of osteoarthritis and plantar fasciitis.

Summary and Analysis of Evidence: Skin and Soft Tissue Substitutes- Patients who are undergoing breast reconstruction who receive allogeneic acellular dermal matrix (ADM) products, the evidence includes randomized controlled trials (RCTs) and systematic reviews. A systematic review found no difference in overall complication rates with ADM allograft compared with standard procedures for breast reconstruction. Reconstructions with ADM have been reported to have higher seroma, infection, and necrosis rates than reconstructions without ADM. However, capsular contracture and malposition of implants may be reduced. In cases where there is limited tissue coverage, the available evidence may inform patient decision making about reconstruction options. The evidence is sufficient to determine that the technology results in an improvement in the net health outcome. Patients undergoing tendon repair who receive GraftJacket, the evidence includes an RCT. The RCT identified found improved outcomes with the GraftJacket ADM allograft for rotator cuff repair. Although these results were positive, additional studies with a larger number of patients is needed to evaluate the consistency of the effect. The evidence is insufficient to determine that the technology results in an improvement in the net health outcome. For patients who have diabetic lower-extremity ulcers who receive AlloPatch, Apligraf, Dermagraft, Integra, mVASC, or TheraSkin, the evidence includes RCTs. Randomized controlled trials reporting complete wound healing outcomes with at least 12 weeks of follow-up have demonstrated the efficacy of AlloPatch (reticular ADM), Apligraf and Dermagraft (living cell therapy), Integra (biosynthetic), mVASC, TheraSkin, and Omega3 Wound (Kerecis) over the standard of care (SOC). The evidence is sufficient to determine that the technology results in an improvement in the net health outcome. For patients who have diabetic lower-extremity ulcers who receive bioengineered skin substitutes other than AlloPatch, Apligraf, Dermagraft, Integra, mVASC, TheraSkin, or Omega3 Wound, the evidence includes RCTs. Results from a multicenter RCT showed some benefit of DermACELL that was primarily for the subgroup of patients who only required a single application of the ADM. Studies are needed to further define the population who might benefit from this treatment. Additional study with a larger number of subjects is needed to evaluate the effect of GraftJacket, DermACELL, Cytal, PriMatrix, and Oasis Wound Matrix, compared with current SOC or other advanced wound therapies. The evidence is insufficient to determine that the technology results in an improvement in the net health outcome. Patients who have lower-extremity ulcers due to venous insufficiency who receive Apligraf or Oasis Wound Matrix, the evidence includes RCTs. RCTs have demonstrated the efficacy of Apligraf living cell therapy and xenogeneic Oasis Wound Matrix over the SOC. The evidence is sufficient to determine that the technology results in an improvement in the net health outcome. Lower-extremity ulcers due to venous insufficiency treated with bioengineered skin substitutes other than Apligraf or Oasis Wound Matrix, the evidence includes RCTs. In a moderately large RCT, Dermagraft was not shown to be more effective than controls for the primary or secondary endpoints in the entire population and was only slightly more effective than controls (an 8% to 15% increase in healing) in subgroups of patients with ulcer durations of 12 months or less or size of 10 cm or less. Additional studies with a larger number of subjects is needed to evaluate the effect of the xenogeneic PriMatrix skin substitute versus the current SOC. The evidence is insufficient to determine that the technology results in an improvement in the net health outcome. Patients who have dystrophic epidermolysis bullosa who receive OrCel, the evidence includes a case series. OrCel was approved under a humanitarian drug exemption for use in patients with dystrophic epidermolysis bullosa undergoing hand reconstruction surgery, to close and heal wounds created by the surgery, including those at donor sites. Outcomes have been reported in a small series (eg, 5 patients). The evidence is insufficient to determine that the technology results in an improvement in the net health outcome. Deep dermal burns treated with bioengineered skin substitutes (ie, Epicel, Integra Dermal Regeneration Template), the evidence includes RCTs. Overall, few skin substitutes have been approved, and the evidence is limited for each product. Epicel (living cell therapy) has received FDA approval under a humanitarian device exemption for the treatment of deep dermal or full-thickness burns comprising a total body surface area of 30% or more. Comparative studies have demonstrated improved outcomes for biosynthetic skin substitute Integra Dermal Regeneration Template for the treatment of burns. The evidence is sufficient to determine that the technology results in an improvement in the net health outcome. Amniotic Membrane and Amniotic Fluid- Patients with non-healing diabetic lower-extremity ulcers who receive a patch formulation of HAM or placental membrane (ie, Affinity, AmnioBand Membrane, AmnioExcel, Biovance, EpiCord, EpiFix, Grafix, NuShield), the evidence includes randomized controlled trials (RCTs). The RCTs evaluating amniotic and placental membrane products for the treatment of non-healing (<20% healing with ≥ 2 weeks of standard care) diabetic lower-extremity ulcers have compared HAM with standard care or with an established advanced wound care product. These

trials used wound closure as the primary outcome measure, and some used power analysis, blinded assessment of wound healing, and intention-to-treat analysis. For the HAM products that have been sufficiently evaluated (ie, Affinity, AmnioBand Membrane, Biovance, EpiCord, EpiFix, Grafix, NuShield), results have shown improved outcomes compared with standard care, and outcomes that are at least as good as an established advanced wound care product. Improved health outcomes in the RCTs are supported by multicenter registries. The evidence is sufficient to determine that the technology results in an improvement in the net health outcome. Lower-extremity ulcers due to venous insufficiency treated with a patch formulation of HAM, the evidence includes 3 RCTs. The published evidence on HAM for the treatment of venous leg ulcers includes 2 multicenter RCTs with EpiFix and 1 multicenter RCT with Amnioband. One RCT reported a larger percent wound closure at 4 weeks, but the percentage of patients with complete wound closure at 4 weeks did not differ between EpiFix and the standard of care. A second RCT evaluated complete wound closure at 12 weeks after weekly application of EpiFix or standard dressings with compression, but interpretation is limited by methodologic concerns. A third RCT demonstrated significantly greater blinded assessor-confirmed rates of complete wound closure at 12 weeks after weekly or twice-weekly application of AmnioBand Membrane with compression bandaging compared with compression bandaging alone. The evidence is insufficient to determine that the technology results in an improvement in the net health outcome. Patients with knee osteoarthritis who receive an injection of suspension or particulate formulation of HAM or amniotic fluid, the evidence includes a feasibility study. The pilot study assessed the feasibility of a larger RCT evaluating HAM injection. Additional trials, which will have a larger sample size and longer follow-up, are needed to permit conclusions on the effect of this treatment. The evidence is insufficient to determine that the technology results in an improvement in the net health outcome. Patients with plantar fasciitis who receive an injection of amniotic membrane, the includes preliminary studies and a larger (N=145) patient-blinded comparison of micronized injectable-HAM and placebo control. Injection of micronized amniotic membrane resulted in greater improvements in the visual analog score for pain and the Foot Functional Index compared to placebo controls. The primary limitation of the study is that this is an interim report with 12-month results pending. The evidence is insufficient to determine that the technology results in an improvement in the net health outcome.

POSITION STATEMENT:

Note: This guideline does not address the use of meshes or patches of non-biologic origin used for standard repair procedures such as hernia repairs.

Bio-Engineered Skin and Soft Tissue Substitutes

Breast reconstructive surgery using allogeneic acellular dermal matrix products* (i.e. AlloDerm®, AlloMend®, Cortiva® (AlloMax™), DermACELL™, DermaMatrix™, FlexHD®, FlexHD® Pliable™, GraftJacket®) **meets the definition of medical necessity** for **ONE** of the following indications:

- when there is insufficient tissue expander or implant coverage by the pectoralis major muscle and additional coverage is required, **OR**
- when there is viable but compromised or thin post-mastectomy skin flaps that are at risk of dehiscence or necrosis, **OR**
- the inframammary fold and lateral mammary folds have been undermined during mastectomy and re-establishment of these landmarks is needed.

Treatment of chronic, non-infected, full-thickness diabetic lower extremity ulcers using the following tissue-engineered skin substitutes **meets the definition of medical necessity**:

- AlloPatch®*
- Apligraf®**
- Dermagraft®**

- Integra® Omnigraft Dermal Regeneration Matrix (also known as Omnigraft)
- Integra™ Flowable Wound Matrix
- Kerecis™ Omega3
- Primatrix®
- Primatrix® Dermal Repair Scaffold
- mVASC®
- TheraSkin®.

Treatment of chronic, noninfected, partial- or full-thickness lower extremity skin ulcers due to venous insufficiency, which have not adequately responded following a one-month period of conventional ulcer therapy, using the following tissue-engineered skin substitutes **meets the definition of medical necessity**:

- Apligraf®**
- Oasis™ Wound Matrix***.

Treatment of dystrophic epidermolysis bullosa using the following tissue-engineered skin substitutes **meets the definition of medical necessity**:

- OrCel™ (for the treatment of mitten-hand deformity when standard wound therapy has failed and when provided in accordance with the Humanitarian Device Exemption (HDE) specifications of the FDA)****.

Treatment of second- and third-degree burns using the following tissue-engineered skin substitutes **meets the definition of medical necessity**:

- Epicel® (for the treatment of deep dermal or full-thickness burns comprising a total body surface area of greater than or equal to 30% when provided in accordance with the HDE specifications of the FDA)****
- Integra® Dermal Regeneration Template™**
- Primatrix® Dermal Repair Scaffold.

* Banked Human Tissue.

** FDA premarket approval.

*** FDA 510(k) clearance.

**** FDA-approved under an HDE.

All other uses of the bio-engineered skin and soft tissue substitutes listed above **do not meet the definition of medical necessity**.

Amniotic Membrane and Amniotic Fluid

Treatment of nonhealing diabetic lower-extremity ulcers using the following human amniotic membrane products **meets the definition of medical necessity**:

- Affinity®
- AmnioBand® Membrane
- AmnioExcel®

- Biovance®
- Epicord®
- Epifix®
- Grafix™
- NuShield®.

All other indications not listed above are considered **experimental or investigational**, including but not limited to treatment of lower extremity ulcers due to venous insufficiency and repair following Mohs micrographic surgery. The evidence is insufficient to determine the effects of the technology on health outcomes.

The following is considered **experimental or investigational** for all indications, including but not limited to treatment of osteoarthritis and plantar fasciitis:

- Injection of micronized or particulated human amniotic membrane
- Injection of human amniotic fluid.

The evidence is insufficient to determine the effects of the technology on health outcomes.

All other bio-engineered skin substitutes, soft tissue substitutes, amniotic membranes and amniotic fluids are considered **experimental or investigational**, including, but not limited to:

- Abiomend, Abiomend xplus
- Acapatch
- Acell® UBM Hydrated/Lyophilized Wound Dressing
- ActiveBarrier® 45, 200, 2000
- Allogen
- Alloply
- AlloSkin™
- AlloSkin™ AC
- AlloSkin™ RT
- Allowrap™
- Alphaplex™ with MariGen Omega3™
- Altrazeal™ Transforming Powder Dressing
- AmnioAMP-MP
- Amnioarmor™
- Amnion bio or Axomembrane
- AmnioClear™
- Amniocore™
- Amniocyte
- Amnio-maxx or Manio-maxx lite
- AmnioFix®

- AmnioFix® Injectable
- AmnioGen™ 45
- AmnioGen™ 200
- AmnioGen™ A
- AmnioGen™ C
- AmnioGraft®
- AmnioMatrix®
- AmnioPro® 45
- AmnioPro® 200
- AmnioPro® Flow
- Amniorepair or AltiPly
- Amniotext and Amniotext Patch
- AmnioVisc™
- Amniowound
- AmnioWrap2™
- Amniply
- Aongen™ Collagen Matrix
- Apis®
- Architect® ECM, PX, FX
- Artacent® Cord, Wound
- ArthroFlex™ (FlexGraft)
- Artacent ac flowable, patch
- Artacent® Wound
- Ascent
- Atlas Wound Matrix
- Avagen Wound Dressing
- Avaulta Plus™
- Axolotl ambient or Axolotl Cryo
- Biobrane®/Biobrane-L
- Bio-ConneKt® Wound Matrix
- BioDDryFlex®
- BioDfence™
- BioDfence Dryflex™/BioDfactor™
- BioDMatrix™
- BioNextPATCH

- BioRenew® 45
- BioRenew® 200
- BioRenew® Flow
- BioSkin® 45
- BioSkin® 200
- BioSkin® Flow
- BioWound, BioWound Plus™, BioWound Xplus™
- Caregraft
- carePATCH
- CellerateRX® (CRXa)
- Cellesta/Cellesta duo, Cord, flowable
- Choripty
- Clarix®
- Clarix® Flo
- Cogenex amniotic membrane
- CollaCare®
- CollaCare® Dental
- Collagen Sponge
- Collagen Wound Dressing (Oasis Research)
- CollaGUARD®
- CollaMend™
- CollaSorb™
- CollaWound™
- Coll-e-derm
- Collexa®
- Collieva®
- Conexa™
- Corecyte
- Coreleader Colla-Pad
- Coretext or Protex
- CorMatrix®
- Corplex, Corplex P, allacor P
- CRXa™
- Cryo-cord
- Cygnus

- Cygnus disk
- Cygnus Max
- Cymetra® (Micronized AlloDerm™)
- Cytal™ (previously MatriStem®)
- DeNovoSkin™
- Dermacyte, Dermacyte ac
- Dermadapt™ Wound Dressing
- Derma-gide
- DermaPure™
- DermaSpan™
- Derm-maxx
- DressSkin
- Dermavest™
- DUPRA SDRM
- Durepair Regeneration Matrix®
- Endoform Dermal Template™
- Epifix injectable
- Epixpress
- *ENDUR*Agen™
- Excellagen®
- ExpressGraft™
- E-Zderm®
- FlexiGraft®
- Floweramnioflo, Floweramniopatch
- FlowerDerm™
- Fluid flow or Fluid GF
- Foundation Dermal Regeneration Scaffold (DRS) Solo
- GammaGraft
- Geistlich Derma-Gide™
- Genesis
- GraftJacket® Xpress, injectable
- Guardian/AmniBand®
- HA Absorbent Wound Dressing
- Helicoll™
- Hyalomatrix®

- Hyalomatrix® PA
- hMatrix®
- HydraTek®
- InnovaMatrix®
- Integra™ Bilayer Wound Matrix
- Integra® Matrix Wound Dressing (previously Avagen)
- InteguPly®
- Interfyl™
- Jaloskin®
- Kermatrix®
- Keroxx™
- Mantle dl matrix
- MatriDerm®
- Matrion
- MatriStem
- Matrix Collagen Wound Dressing
- Matrix HD™
- MediHoney®
- Mediskin®
- MemoDerm™
- Microderm® Biologic Wound Matrix
- Microlyte matrix®
- MicroMatrix®
- Mirragen® Advanced Wound Matrix
- MyOwn skin
- Myriad matrix
- Myriad morcells
- NeoForm™
- Neopatch or Therion
- Neox®100
- Neox®Flo
- Neox® Cord
- Neox® Wound
- Novachor
- Novafix® , Novafix DL

- NovoSorb® Biodegradable Temporizing Matrix (BMT)
- NuCel®
- Oasis® Burn Matrix
- Oasis® Ultra Tri-Layer Matrix
- Ologen™ Collagen Matrix
- Omeza® Collagen Matrix
- OrthoFlo™
- Overlay sl
- OviTex®
- PalinGen® Flow
- PalinGen® Membrane
- PalinGen® SportFlow
- Pellograt
- Pelvicol®/PelviSoft®
- Permacol™
- PermeaDerm® B
- PermeaDerm® C
- PermeaDerm® Glove
- Phoenix™ Wound Matrix
- Plurivest™
- Polycyte
- Procenta
- Progenamatrix
- ProMatrX™ ACF
- Puracol® and Puracol® Plus Collagen Wound Dressings
- PuraPly™ Wound Matrix (previously FortaDerm™)
- PuraPly™ AM (Antimicrobial Wound Matrix)
- Puros® Dermis
- Reeva ft
- RECELL® System
- RegenePro™
- Renograft
- ReNu™
- Repliform®
- Repriza™

- Restorigin Injectable
- Restrata®
- Restrata MiniMatrix
- Revita
- Revitalon™
- Sanograft
- Sentry sl matrix
- Shelter dm matrix
- SimpliDerm®
- Simpligraft
- Simplimax
- Singlay
- SIS Wound Dressing II
- SkinTE™
- Sport Flow™
- SS Matrix™
- Stimulen™ Collagen
- StrataGraft®
- Strattice™ (xenograft)
- Suprathel®
- Surgenex, Surfactor, and Nudyn
- Surgicord
- SurgiGRAFT™
- SurgiMend®
- Symphony™
- Talymed®
- TenoGlide™
- TenSIX™ Acellular Dermal Matrix
- TheraForm™ Standard/Sheet
- TheraGenesis®
- Theramend
- TissueMend
- Total
- TransCyte™
- TruSkin™

- Unite™ Biomatrix
- Veritas® Collagen Matrix
- Vitograft
- WoundEx®, 45, 200
- WoundEx® Flow
- Woundfix, WoundfixPlus, Woundfix Xplus
- Xceed tl matrix
- Xcellerate
- Xcellistem®
- XCM Biologic® Tissue Matrix
- XenMatrix™ AB
- Xwrap, Xwrap dual, Xwrap plus.

The evidence is insufficient to determine the effects of the technology on health outcomes.

Collagen-Based Dressing Or Wound Filler (A6010, A6011, A6021-A6024)

Collagen-based dressing or wound filler **meets the definition of medical necessity** for full thickness wounds (e.g., stage 3 or 4 ulcers), wounds with light to moderate exudate, or wounds that have stalled or have not progressed toward a healing goal.

Collagen-based dressing or wound filler **does not meet the definition of medical necessity** for wounds with heavy exudate, third-degree burns, or when an active vasculitis is present.

BILLING/CODING INFORMATION:

CPT Coding:

15011	Harvest of skin for skin cell suspension autograft; first 25 sq cm or less (Investigational)
15012	Harvest of skin for skin cell suspension autograft; each additional 25 sq cm or part thereof (List separately in addition to code for primary procedure) (Investigational)
15013	Preparation of skin cell suspension autograft, requiring enzymatic processing, manual mechanical disaggregation of skin cells, and filtration; first 25 sq cm or less of harvested skin (Investigational)
15014	Preparation of skin cell suspension autograft, requiring enzymatic processing, manual mechanical disaggregation of skin cells, and filtration; each additional 25 sq cm of harvested skin or part thereof (List separately in addition to code for primary procedure) (Investigational)
15015	Application of skin cell suspension autograft to wound and donor sites, including application of primary dressing, trunk, arms, legs; first 480 sq cm or less (Investigational)
15016	Application of skin cell suspension autograft to wound and donor sites, including application of primary dressing, trunk, arms, legs; each additional 480 sq cm or part thereof (List separately in addition to code for primary procedure) (Investigational)
15017	Application of skin cell suspension autograft to wound and donor sites, including application of primary dressing, face, scalp, eyelids, mouth, neck, ears, orbits, genitalia, hands, feet, and/or multiple digits; first 480 sq cm or less (Investigational)
15018	Application of skin cell suspension autograft to wound and donor sites, including application of primary dressing, face, scalp, eyelids, mouth, neck, ears, orbits, genitalia, hands, feet, and/or multiple digits; each additional 480 sq cm or part thereof (List separately in addition to code for primary procedure) (Investigational)

HCPCS Coding:

1044T	Harvest of full-thickness skin for autologous heterogeneous skin-construct graft, including direct closure of donor site; first 5 sq cm or less (Investigational)
1045T	Harvest of full-thickness skin for autologous heterogeneous skin-construct graft, including direct closure of donor site;each additional 5 sq cm, or part thereof (List separately in addition to code for primary procedure) (Investigational)
1046T	Autologous heterogeneous skin-construct graft application, trunk, arms, legs; first 50 sq cm or less, or 0.5% of body area of infants and children (Investigational)
1047T	Autologous heterogeneous skin-construct graft application, trunk, arms, legs; each additional 50 sq cm, or each additional 0.5% of body area of infants and children, or part thereof (List separately in addition to code for primary procedure) (Investigational)
1048T	Autologous heterogeneous skin-construct graft application, face, scalp, eyelids, mouth, neck, ears, orbits, genitalia, hands, feet, and/or multiple digits; first 50 sq cm or less, or 0.5% of body area of infants and children (Investigational)
1049T	Autologous heterogeneous skin-construct graft application, face, scalp, eyelids, mouth, neck, ears, orbits, genitalia, hands, feet, and/or multiple digits; each additional 50 sq cm, or each additional 0.5% of body area of infants and children, or part thereof (List separately in addition to code for primary procedure) (Investigational)
A2001	Innovamatrix ac, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
A2002	Mirragen advanced wound matrix, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
A2004	Xcellstem, 1 mg (Investigational)
A2005	Microlyte matrix, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
A2006	Novosorb synpath dermal matrix, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
A2007	Restrata, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
A2008	Theragenesis, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
A2009	Symphony, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
A2010	Apis, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
A2011	Supra sdrm, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
A2012	Suprathel, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
A2013	Innovamatrix fs, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
A2014	Omeza collagen matrix, per 100 mg (Investigational)
A2015	Phoenix wound matrix, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
A2016	Permeaderm b, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
A2017	Permeaderm glove, each (Investigational)
A2018	Permeaderm c, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
A2019	Kerecis omega3 marigen shield, per square centimeter (add-on, list separately in addition to primary procedure)
A2020	Ac5 advanced wound system (ac5) (Investigational)
A2021	Neomatrix, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)

A2022	Innovaburn or innovamatrix xl, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
A2023	Innovamatrix pd, 1 mg (Investigational)
A2024	Resolve matrix or xenopatch, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
A2025	Miro3d, per cubic centimeter (add-on, list separately in addition to primary procedure) (Investigational)
A2026	Restrata MiniMatrix, 5 mg (Investigational)
A2027	Matriderm, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
A2028	Micromatrix flex, per mg (Investigational)
A2029	Mirotract wound matrix sheet, per cubic centimeter (add-on, list separately in addition to primary procedure) (Investigational)
A2030	Miro3d fibers, per milligram (Investigational)
A2031	Mirodry wound matrix, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
A2032	Myriad matrix, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
A2033	Myriad morcells, 4 milligrams (Investigational)
A2034	Foundation drs solo, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
A2035	Corplex p or theracor p or allacor p, per milligram (Investigational)
A2036	Cohealyx collagen dermal matrix, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
A2037	G4derm plus, per milliliter (Investigational)
A2038	Marigen pacto, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
A2039	Innovamatrix fd, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
A2040	Microlyte painguard, per square centimeter (Investigational)
A2041	Foundation drs+ duo, per square centimeter (Investigational)
A2042	Foundation drs+ solo, per square centimeter (Investigational)
A2043	Biobrane, per square centimeter (Investigational)
A2044	Biobrane glove, each (Investigational)
A2045	Novashield or novogen wound matrix, per square centimeter (Investigational)
A4100	Non-sheet form skin substitute, fda cleared as a device, not otherwise specified (list in addition to primary procedure)
C1832	Autograft suspension, including cell processing and application, and all system components (Investigational)
C8002	Preparation of skin cell suspension autograft, automated, including all enzymatic processing and device components (do not report with manual suspension preparation) (Investigational)
C9354	Acellular pericardial tissue matrix of nonhuman origin (Veritas), per sq cm (Investigational)
C9356	Tendon, porous matrix of cross-linked collagen and glycosaminoglycan matrix (TenoGlide Tendon Protector Sheet), per sq cm (Investigational)
C9358	Dermal substitute, native, nondenatured collagen, fetal bovine origin (SurgiMend Collagen Matrix), per 0.5 sq cm (Investigational)
C9360	Dermal substitute, native, nondenatured collagen, neonatal bovine origin (SurgiMend Collagen Matrix), per 0.5 sq cm (Investigational)
C9363	Skin substitute (Integra Meshed Bilayer Wound Matrix), per square cm (Investigational)
C9364	Porcine implant, Permacol, per sq cm (Investigational)
G0681	Application of a premarket approval (pma), 510(k), 361 human cells, tissues or cellular and tissue-based products (hct/p) non-sheet form skin substitute for a wound surface area up to 100 sq cm; first 25 sq cm or less of wound surface area

G0682	Application of a premarket approval (pma), 510(k), 361 human cells, tissues or cellular and tissue-based products (hct/p) non-sheet form skin substitute for a wound surface area up to 100 sq cm; each additional 25 sq cm wound surface area, or part thereof (list separately in addition to code for primary procedure)
G0683	Application of a premarket approval (pma), 510(k), 361 human cells, tissues or cellular and tissue-based products (hct/p) non-sheet form skin substitute graft for a wound surface greater than or equal to 100 sq cm; first 100 sq cm wound surface area, or 1% of body area of infants and children
G0684	Application of a premarket approval (pma), 510(k), 361 human cells, tissues or cellular and tissue-based products (hct/p) non-sheet form skin substitute graft for a wound surface greater than or equal to 100 sq cm; each additional 100 sq cm wound surface area or part thereof, or each additional 1% of body area of infants and children, or part thereof (list separately in addition to code for primary procedure)
Q4101	Apligraf, per square centimeter (add-on, list separately in addition to primary procedure)
Q4102	Oasis wound matrix, per square centimeter (add-on, list separately in addition to primary procedure)
Q4103	Oasis burn matrix, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4104	Integra bilayer matrix wound dressing (bmwd), per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4105	Integra dermal regeneration template (drt) or integra omnigraft dermal regeneration matrix, per square centimeter (add-on, list separately in addition to primary procedure)
Q4107	Graftjacket, per square centimeter (add-on, list separately in addition to primary procedure)
Q4108	Integra matrix, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4110	Primatrix, per square centimeter (add-on, list separately in addition to primary procedure)
Q4111	Gammagraft, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4112	Cymetra, injectable, 1 cc (Investigational)
Q4113	Allograft, Graftjacket Xpress, injectable, 1 cc (Investigational)
Q4114	Integra Flowable Wound Matrix, injectable, 1 cc
Q4115	Alloskin, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4116	Alloderm, per square centimeter (add-on, list separately in addition to primary procedure)
Q4117	Hyalomatrix, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4118	Matristem Micromatrix, 1 MG (Investigational)
Q4121	Theraskin, per square centimeter (add-on, list separately in addition to primary procedure)
Q4122	Dermacell, dermacell awm or dermacell awm porous, per square centimeter (add-on, list separately in addition to primary procedure)
Q4123	Alloskin rt, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4124	Oasis ultra tri-layer wound matrix, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4125	Arthroflex, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4126	Memoderm, dermaspan, tranzgraft or integuply, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4127	Talymed, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4128	Flex hd, or allopatch hd, per square centimeter (add-on, list separately in addition to primary procedure)
Q4130	Strattice™, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)

Q4132	Grafix core and grafixpl core, per square centimeter (add-on, list separately in addition to primary procedure)
Q4133	Grafix prime, grafixpl prime, stravix and stravixpl, per square centimeter (add-on, list separately in addition to primary procedure)
Q4134	Hmatrix, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4135	Mediskin, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4136	Ez-derm, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4137	Amnioexcel, amnioexcel plus or biodexcel, per square centimeter (add-on, list separately in addition to primary procedure)
Q4138	Biodfence dryflex, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4139	AmnioMatrix or BioDMatrix, injectable, 1 cc (Investigational)
Q4140	Biodfence, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4141	Alloskin ac, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4142	Xcm biologic tissue matrix, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4143	Xcm biologic tissue matrix, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4145	Epifix, injectable, 1 mg (Investigational)
Q4146	Tensix, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4147	Architect, architect px, or architect fx, extracellular matrix, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4148	Neox cord 1k, neox cord rt, or clarix cord 1k, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4149	Excellagen, 0.1 cc (Investigational)
Q4150	Allowrap ds or dry, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4151	Amnioband or guardian, per square centimeter (add-on, list separately in addition to primary procedure)
Q4152	Dermapure, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4153	Dermavest and plurivest, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4154	Biovance, per square centimeter (add-on, list separately in addition to primary procedure)
Q4155	Neoxflo or clarixflo, 1 mg (Investigational)
Q4156	Neox 100 or clarix 100, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4157	Revitalon, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4158	Kerecis omega3, per square centimeter (add-on, list separately in addition to primary procedure)
Q4159	Affinity, per square centimeter (add-on, list separately in addition to primary procedure)
Q4160	Nushield, per square centimeter (add-on, list separately in addition to primary procedure)
Q4161	Bio-connekt wound matrix, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4162	Woundex flow, bioskin flow, 0.5 cc (Investigational)
Q4163	Woundex, bioskin, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)

Q4164	Helicoll, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4165	Keramatrix or kerasorb, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4166	Cytal, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4167	Truskin, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4168	Amnioband, 1 mg (Investigational)
Q4169	Artacent wound, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4170	Cygnus, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4171	Interfyl, 1 mg (Investigational)
Q4173	Palingen or palingen xplus, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4174	Palingen or promatrx, 0.36 mg per 0.25 cc (Investigational)
Q4175	Miroderm, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4176	Neopatch or therion, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4177	Floweramnioflo, 0.1 cc (Investigational)
Q4178	Floweramniopatch, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4179	Flowerderm, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4180	Revita, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4181	Amnio wound, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4182	Transcyte, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4183	Surgigraft, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4184	ellesta or cellesta duo, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4185	Cellesta flowable amnion (25 mg per cc); per 0.5 cc (Investigational)
Q4186	Epifix, per square centimeter (add-on, list separately in addition to primary procedure)
Q4187	Epicord, per square centimeter (add-on, list separately in addition to primary procedure)
Q4188	Amnioarmor, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4189	Artacent ac, 1 mg (Investigational)
Q4190	Artacent ac, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4191	Restorin, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4192	Restorin, 1 cc (Investigational)
Q4193	Coll-e-derm, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4194	Novachor, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4195	Puraply, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)

Q4196	Puraply am, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4197	Puraply xt, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4198	Genesis amniotic membrane, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4199	Cygnus matrix, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4200	Skin te, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4201	Matrion, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4203	Derma-gide, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4204	Xwrap, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4205	Membrane graft or membrane wrap, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4206	Fluid flow or fluid GF, 1 cc (Investigational)
Q4208	Novafix, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4209	Surgraft, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4211	Amnion bio or axobiomembrane, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4212	Allogen, per cc (Investigational)
Q4213	Ascent, 0.5 mg (Investigational)
Q4214	Cellesta cord, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4215	Axolotl ambient or axolotl cryo, 0.1 mg (Investigational)
Q4216	Artacent cord, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4217	Woundfix, biowound, woundfix plus, biowound plus, woundfix xplus or biowound xplus, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4218	Surgicord, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4219	Surgigraft-dual, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4220	Bellacell hd or surederm, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4221	Amniowrap2, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4222	Progenamatrix, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4224	Human health factor 10 amniotic patch (hhf10-p), per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4225	Amniobind or dermabind tl, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4226	MyOwn skin, includes harvesting and preparation procedures, per square centimeter (Investigational)
Q4227	Amniocore, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4229	Cogenex amniotic membrane, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)

Q4230	Cogenex flowable amnion, per 0.5 cc (Investigational)
Q4232	Corplex, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4233	Surfactor or nudyn, per 0.5 cc (Investigational)
Q4234	Xcellerate, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4235	Amniorepair or altiPLY, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4236	Carepatch, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4237	Cryo-cord, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4238	Derm-maxx, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4239	Amnio-maxx or amnio-maxx lite, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4240	Corecyte, for topical use only, per 0.5 cc (Investigational)
Q4241	Polycyte, for topical use only, per 0.5 cc (Investigational)
Q4242	Amniocyte plus, per 0.5 cc (Investigational)
Q4245	Amniotext, per cc (Investigational)
Q4246	Coretext or protext, per cc (Investigational)
Q4247	Amniotext patch, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4248	Dermacyte amniotic membrane allograft, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4249	AmniPLY, for topical use only, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4250	Amnioamp-mp, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4251	Vim, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4252	Vendaje, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4253	Zenith amniotic membrane, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4254	Novafix dl, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4255	Reguard, for topical use only, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4256	Mlg-complete, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4257	Relese, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4258	Enverse, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4259	Celera dual layer or celera dual membrane, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4260	Signature apatch, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4261	Tag, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4262	Dual layer impax membrane, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)

Q4263	Surgraft tl, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4264	Cocoon membrane, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4265	Neostim tl, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4266	Neostim membrane, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4267	Neostim dl, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4268	Surgraft ft, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4269	Surgraft xt, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4270	Complete sl, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4271	Complete ft, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4272	Esano a, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4273	Esano aaa, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4274	Esano ac, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4275	Esano aca, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4276	Orion, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4278	Epieffect, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4279	Vendaje ac, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4280	Xcell amnio matrix, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4281	Barrera sl or barrera dl, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4282	Cygnus dual, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4283	Biovance tri-layer or biovance 3l, per square centimeter (add-on, list separately in addition to primary procedure)
Q4284	Dermabind sl, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4285	Nudyn dl or nudyn dl mesh, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4286	Nudyn sl or nudyn slw, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4287	Dermabind dl, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4288	Dermabind ch, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4289	Revoshield + amniotic barrier, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4290	Membrane wrap-hydro, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)

Q4291	Lamellas xt, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4292	Lamellas, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4293	Acesso dl, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4294	Amnio quad-core, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4295	Amnio tri-core amniotic, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4296	Rebound matrix, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4297	Emerge matrix, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4298	Amniocore pro, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4299	Amniocore pro+, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4300	Acesso tl, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4301	Activate matrix, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4302	Complete aca, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4303	Complete aa, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4304	Grafix plus, per square centimeter (add-on, list separately in addition to primary procedure)
Q4305	American amnion ac tri-layer, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4306	American amnion ac, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4307	American amnion, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4308	Sanopellis, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4309	Via matrix, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4310	Procenta, per 100 mg (Investigational)
Q4311	Acesso, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4312	Acesso ac, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4313	Dermabind fm, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4314	Reeva ft, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4315	Regenelink amniotic membrane allograft, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4316	Amchoplast, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4317	Vitograft, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4318	E-graft, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)

Q4319	Sanograft, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4320	Pellograft, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4321	Renograft, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4322	Caregraft, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4323	Alloply, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4324	Amniotx, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4325	Acapatch, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4326	Woundplus, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4327	Duoamnio, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4328	Most, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4329	Singlay, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4330	Total, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4331	Axolotl graft, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4332	Axolotl dualgraft, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4333	Ardeograft, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4336	Artacent c, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4337	Artacent trident, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4338	Artacent velos, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4339	Artacent vericlen, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4340	Simpligraft, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4341	Simplimax, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4342	Theramend, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4343	Dermacyte ac matrix amniotic membrane allograft, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4344	Tri-membrane wrap, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4345	Matrix hd allograft dermis, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4346	Shelter dm matrix, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4347	Rampart dl matrix, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)

Q4348	Sentry sl matrix, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4349	Mantle dl matrix, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4350	Palisade dm matrix, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4351	Enclose tl matrix, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4352	Overlay sl matrix, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4353	Xceed tl matrix, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4354	Palingen dual-layer membrane and dual-layer palingen x-membrane, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4355	Abiomend xplus membrane and abiomend xplus hydromembrane, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4356	Abiomend membrane and abiomend hydromembrane, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4357	Xwrap plus, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4358	Xwrap dual, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4359	Choriply, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4360	Amchoplast fd, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4361	Epixpress, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4362	Cygnus disk, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4363	Amnio burgeon membrane and hydromembrane, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4364	Amnio burgeon xplus membrane and xplus hydromembrane, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4365	Amnio burgeon dual-layer membrane, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4366	Dual layer amnio burgeon x-membrane, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4367	Amniocore sl, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4368	Amchothick, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4369	Amnioplast 3, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4370	Aeroguard, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4371	Neoguard, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4372	Amchoplast excel, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4373	Membrane wrap lite, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4375	Duograft ac, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)

Q4376	Duograft aa, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4377	Trigraft ft, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4378	Renew ft matrix, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4379	Amniodefend ft matrix, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4380	Advograft one, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4382	Advograft dual, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4383	Axolotl graft ultra, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4384	Axolotl dualgraft ultra, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4385	Apollo ft, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4386	Acesso trifaca, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4387	Neothelium ft, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4388	Neothelium 4l, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4389	Neothelium 4l+, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4390	Ascendion, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4391	Amnioplast double, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4392	Grafix duo, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4393	Surgraft ac, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4394	Surgraft aca, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4395	Acelagraft, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4396	Natalin, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4397	Summit aaa, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4398	Summit ac, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4399	Summit fx, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4400	Polygon3 membrane, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4401	Absolv3 membrane, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4402	Xwrap 2.0, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4403	Xwrap dual plus, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)

Q4404	Xwrap hydro plus, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4405	Xwrap fenestra plus, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4406	Xwrap fenestra, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4407	Xwrap tribus, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4408	Xwrap hydro, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4409	Amniomatrixf3x, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4410	Amchomatrixdl, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4411	Amniomatrixf4x, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4412	Choriofix, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4413	Cygnus solo, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4414	Simplichor, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4415	Alexiguard sl-t, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4416	Alexiguard tl-t, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4417	Alexiguard dl-t, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4418	Biolab membrane wrap flow, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4419	Biolab membrane wrap lite flow, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4420	Nuform, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4421	Biolab membrane wrap solo, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4422	A/c wrap, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4423	Biolab tri-membrane wrap flow, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4424	Revive ft, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4425	Revive tl, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4426	Dermabind tl + or dermabind tl x, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4427	Dermabind dl n or dermabind dl + or dermabind dl x, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4428	Dermabind sl n or dermabind sl + or dermabind sl x, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4429	Dermabind ch n or dermabind ch x, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4431	Pma skin substitute product, not otherwise specified (list in addition to primary procedure)
Q4432	510(k) skin substitute product, not otherwise specified (list in addition to primary procedure)

Q4433	361 hct/p skin substitute product, not otherwise specified (list in addition to primary procedure)
Q4435	Renati membrane, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4436	Renati ac membrane, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4437	Revival ac, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4438	Prelect, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4439	Instagraft, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)
Q4440	Curamatrix, per square centimeter (add-on, list separately in addition to primary procedure) (Investigational)

ICD-10 Diagnosis Codes That Support Medical Necessity:

C50.011 – C50.019 C50.111 – C50.119 C50.211 – C50.219 C50.311 – C50.319 C50.411 – C50.519 C50.611 – C50.619 C50.811 – C50.819 C50.911 – C50.919	Malignant neoplasm of breast
D05.00 – D05.92	Carcinoma in situ of breast
E08.621	Diabetes mellitus due to underlying condition with foot ulcer
E08.622	Diabetes mellitus due to underlying condition with other skin ulcer
E09.621	Drug or chemical induced diabetes mellitus with foot ulcer
E09.622	Drug or chemical induced diabetes mellitus with other skin ulcer
E10.621	Type 1 diabetes mellitus with foot ulcer
E10.622	Type 1 diabetes mellitus with other skin ulcer
E11.621	Type 2 diabetes mellitus with foot ulcer
E11.622	Type 2 diabetes mellitus with other skin ulcer
E13.621	Other specified diabetes mellitus with foot ulcer
E13.622	Other specified diabetes mellitus with other skin ulcer
I83.001 – I83.029	Varicose veins of lower extremities with ulcer
I83.201 – I83.229	Varicose veins of lower extremities with both ulcer and inflammation
I87.2	Venous insufficiency
Q81.2	Epidermolysis bullosa dystrophica
T20.20xA – T20.39xS T20.60xA – T20.79xS	Burn and corrosion of head, face and neck
T21.20xA – T21.39xS T21.60xA – T21.79xS	Burn and corrosion of trunk
T22.20xA – T22.399S T22.60xA – T22.799S	Burn and corrosion of shoulder and upper limb except wrist and hand
T23.201A – T23.399S T23.601A – T23.799S	Burn and corrosion of wrist and hand
T24.201A – T24.399S T24.601A – T24.799S	Burn and corrosion of lower limb, except ankle and foot
T25.211A – T25.399S T25.611A – T25.799S	Burn and corrosion of ankle and foot
T30.0 – T32.99	Burns classified according to extent of body surface involvement
T34.011A – T34.99XS	Frostbite with tissue necrosis

Application Codes: (See reimbursement section below)

15271	Application of skin substitute graft to trunk, arms, legs, total wound surface area up to 100 sq cm; first 25 sq cm or less wound surface area
15272	Application of skin substitute graft to trunk, arms, legs, total wound surface area up to 100 sq cm; each additional 25 sq cm wound surface area, or part thereof (List separately in addition to code for primary procedure)
15273	Application of skin substitute graft to trunk, arms, legs, total wound surface area greater than or equal to 100 sq cm; first 100 sq cm wound surface area, or 1% of body area of infants and children
15274	Application of skin substitute graft to trunk, arms, legs, total wound surface area greater than or equal to 100 sq cm; each additional 100 sq cm wound surface area, or part thereof, or each additional 1% of body area of infants and children, or part thereof (List separately in addition to code for primary procedure)
15275	Application of skin substitute graft to face, scalp, eyelids, mouth, neck, ears, orbits, genitalia, hands, feet, and/or multiple digits, total wound surface area up to 100 sq cm; first 25 sq cm or less wound surface area
15276	Application of skin substitute graft to face, scalp, eyelids, mouth, neck, ears, orbits, genitalia, hands, feet, and/or multiple digits, total wound surface area up to 100 sq cm; each additional 25 sq cm wound surface area, or part thereof (List separately in addition to code for primary procedure)
15277	Application of skin substitute graft to face, scalp, eyelids, mouth, neck, ears, orbits, genitalia, hands, feet, and/or multiple digits, total wound surface area greater than or equal to 100 sq cm; first 100 sq cm wound surface area, or 1% of body area of infants and children
15278	Application of skin substitute graft to face, scalp, eyelids, mouth, neck, ears, orbits, genitalia, hands, feet, and/or multiple digits, total wound surface area greater than or equal to 100 sq cm; each additional 100 sq cm wound surface area, or part thereof, or each additional 1% of body area of infants and children, or part thereof (List separately in addition to code for primary procedure)

Collagen Dressing or Wound Filler: (See reimbursement section below)

A6010	Collagen based wound filler, dry form, sterile, per g of collagen
A6011	Collagen based wound filler, gel/paste, per g of collagen
A6021	Collagen dressing, sterile, size 16 sq in or less, each
A6022	Collagen dressing, sterile, size more than 16 sq in but less than or equal to 48 sq in, each
A6023	Collagen dressing, sterile, size more than 48 sq in, each
A6024	Collagen dressing wound filler, sterile, per 6 in

REIMBURSEMENT INFORMATION:

Apligraf® is limited to five (5) applications per ulcer. The safety and the effectiveness of Apligraf have not been established for patients receiving greater than 5 applications.

Dermagraft® is limited to eight (8) applications per treatment site over a twelve (12) week period. Dermagraft has not been studied in patients receiving greater than 8 device applications.

OrCel™ is limited to a single, one-time application per donor site. No more than eight (8) pieces should be used per donor site. The safety and effectiveness of OrCel has not been evaluated in burn patients with split thickness donor sites larger than 288cm (8 pieces of OrCel).

Safety and effectiveness of **re-treatment** of a single wound using Apligraf®, Dermagraft® or OrCel™ has not been established and is considered **experimental or Investigational**.

Application codes (15271-15278, G0681-G0684) must be submitted with product codes.

For products considered experimental or investigational, the application codes (15271-15278, G0681-G0684) will also be denied.

Collagen-based dressings or wound fillers (A6010, A6011, A6021-A6024) can stay in place up to 7 days. Dressings are limited to 26 units per treatment site per 6-month period.

PROGRAM EXCEPTIONS:

Federal Employee Program (FEP): Follow FEP guidelines.

State Account Organization (SAO): Follow SAO guidelines.

Medicare Advantage products:

The following National Coverage Determination (NCD) was reviewed on the last guideline reviewed date: Porcine skin and Gradient Pressure Dressing (270.5) located at cms.gov.

The following were reviewed on the last guideline reviewed date: Local Coverage Determination (LCD) Application of Skin Substitute Grafts for Treatment of DFU and VLU of Lower Extremities (L36377); and Local Coverage Article Billing and Coding: Application of Skin Substitute Grafts for Treatment of DFU and VLU of Lower Extremities A57680 located at fcso.com.

The following were reviewed on the last guideline reviewed date: Local Coverage Determination (LCD) Surgical Dressings (L33831) and Surgical Dressings - Policy Article (A54563) located at cgsmedicare.com.

If this Medical Coverage Guideline contains a step therapy requirement, in compliance with Florida law 627.42393, members or providers may request a step therapy protocol exemption to this requirement if based on medical necessity. The process for requesting a protocol exemption can be found at [Coverage Protocol Exemption Request](#).

DEFINITIONS:

Nonhealing- less than a 20% decrease in wound area with standard wound care for at least 2 weeks.

RELATED GUIDELINES:

[**Amniotic Membrane and Limbal Stem Cell Transplantation for the Treatment of Ocular Conditions, 02-65000-19**](#)

OTHER:

None.

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COMMITTEE APPROVAL:

This Medical Coverage Guideline (MCG) was approved by the Florida Blue Medical Policy and Coverage Committee on 04/23/26.

GUIDELINE UPDATE INFORMATION:

01/01/01	New Medical Coverage Guideline.
01/01/02	Annual HCPCS coding update.
01/01/03	Annual HCPCS coding update.
02/15/03	Annual Review.
06/15/04	Unscheduled review and revision to guideline; consisting of updated references, deleted J7350 and changed name of MCG from Apligraf (Graftskin) to Human Skin Equivalent Grafts.
01/01/05	Annual HCPCS coding update: consisting of addition of J7343 and J7344 and deletion of Q0182 and Q0183.
01/01/06	Annual HCPCS coding update: added 15000, 15340, 15341, 15360, 15361, 15365, and 15366. Deleted: 15342, 15343, J7343. Revised: J7340, J7342, and J7344.
08/15/06	Biennial review; new information added for Integra, TransCyte, allograft, OrCel, xenograft, AlloDerm; revision to code information; code J7343 added.
01/01/07	Annual HCPCS coding update: added J7345, J7346; deleted 15000 – 15400 & changed to 15002 – 15005 to describe codes used for graft site preparation & graft application.
03/15/07	Revision to guideline; consisting of addition of OASIS Wound Matrix (J7341), revision to criteria for Apligraf (J7340), revision to code information for J7344 and J7343, updated references.
06/15/07	Reformatted guideline.
08/15/07	Review, coverage statements maintained, references updated.
01/01/08	Annual HCPCS coding update: deleted J7345; added J7347, J7348, J7349.
01/01/09	Annual HCPCS coding update: added HCPCS codes Q4100 – Q4114; updated ICD-9 codes 707.10 – 707.19 & 707.8; and deleted HCPCS codes J7340-J7349.
07/01/09	Biennial review: description section, Alloderm position statement, coding and references updated. HCPCS 3 rd quarter coding update: added new codes Q4115 and Q4116.
10/15/10	Revision; related ICD-10 codes added.
01/01/11	Annual HCPCS coding update. Added Q4117 – Q4121; revised Q4101 – Q4116; deleted Q4109.
07/15/11	Scheduled review; position statements maintained, coding section and references updated.
01/01/12	Annual HCPCS coding update; added HCPCS codes Q4122-Q4130; CPT coding section updated.
07/15/12	Annual review; position statements, billing/coding information, description section, Medicare program exception, and references updated; formatting changes.
01/01/13	Annual HCPCS update; added Q4131-Q4136; revised Q4119, Q4126, & Q4128. Experimental list updated; formatting changes.
07/15/13	Annual review; description section, position statement, and references updated; formatting changes.
01/01/14	Annual HCPCS update. Added codes Q4137-Q4149. Position statement updated; formatting changes.
03/15/14	Annual review; position statements, Coding, Description, and references updated; formatting changes.
06/15/14	Revision; references updated.
01/01/15	Annual HCPCS/CPT update. Added codes Q4150-Q4160; revised codes Q4119 & Q4147.
03/15/15	Annual review; description and position statement section updated; coding and references updated; formatting changes.
10/01/15	Revision; ICD9 and ICD10 coding sections updated.
11/01/15	Revision: ICD-9 Codes deleted.

01/01/16	Annual HCPCS/CPT update; codes Q4161-Q4165 added; code Q4153 revised.
08/15/16	Revision; policy title, description section, position statement section, coding, and references updated; formatting changes.
10/01/16	Revision; formatting changes. Investigational product list updated.
11/15/16	Revision; coding section updated.
01/01/17	Annual CPT/HCPCS update. Added Q4166-Q4175; revised Q4105 & Q4131; deleted Q4119, Q4120, Q4129.
03/15/17	Revision; Position statements including treatment of diabetic ulcers, amniotic membrane, and investigational product list updated; Code Q4151, program exception, and references updated.
04/15/17	Revision; code C9349 deleted.
08/15/17	Revision; Integra Omnigraft deleted from investigational product list and added to bullet for Integra® Dermal Regeneration Template.
01/01/18	Annual CPT/HCPCS update. Added codes Q4176-Q4182; revised codes Q4132, Q4133, Q4148, Q4156, Q4158, Q4162, Q4163.
04/15/18	Revision; description, position statements, coding, and references updated.
01/01/19	Annual CPT/HCPCS coding update. Added codes Q4183-Q4204; revised codes Q4133 & Q4137; deleted codes Q4131 & Q4172.
04/15/19	Review; Investigational product list and references updated.
07/01/19	Revision; Investigational product list updated.
10/01/19	Quarterly CPT/HCPCS coding update. Added codes Q4205-Q4226; revised codes Q4122, Q4165, Q4184.
04/15/20	Review; position statements and references updated.
07/01/20	Quarterly CPT/HCPCS coding update. Added codes Q4227-Q4248; revised code Q4176.
08/15/20	Revision; coding section updated.
10/01/20	Quarterly CPT/HCPCS coding update. Added codes Q4249, Q4250, Q4254, Q4255.
04/15/21	Review; Position statements, investigational product list, coding and references updated.
05/21/21	Revision; investigational product list updated.
10/01/21	Quarterly CPT/HCPCS coding update. Codes Q4251-Q4253 added; codes Q4228 & Q4236 deleted.
01/01/22	Annual CPT/HCPCS coding update. Codes A2001-A2010, Q4199 added.
01/05/22	Revision; code A2003 deleted.
04/01/22	Review: Amniotic membrane position statement updated and references updated. Quarterly CPT/HCPCS coding update. Codes A2011-A2013, A4100, Q4224, Q4225, Q4256-Q4258 added.
07/01/22	Quarterly CPT/HCPCS coding update. Codes Q4259-Q4261 added; code A2004 revised.
10/01/22	Quarterly CPT/HCPCS coding update. Codes A2014-A2018 added; code Q4128 revised.
01/01/23	Annual CPT/HCPCS coding update. Codes Q4236, Q4262-Q4264 added.
04/01/23	Quarterly CPT/HCPCS coding update. Codes A2019-A2021, Q4265-Q4271 added.
07/01/23	Quarterly CPT/HCPCS coding update. Codes Q4272-Q4284 added.
10/01/23	Review: Investigational product list, coding, and references updated. Quarterly CPT/HCPCS coding update. Codes A2022-A2025, Q4285, Q4286 added.
01/01/24	Annual CPT/HCPCS coding update. Codes Q4279, Q4287-Q4304 added; code Q4225 revised.
04/01/24	Quarterly CPT/HCPCS coding update. Codes A2026, Q4305-Q4310 added; deleted Q4244.
05/15/24	Review: Position statements, description, coding, reimbursement, and references updated.
07/01/24	Quarterly CPT/HCPCS coding update. Codes Q4311-Q4333 added; codes Q4210, Q4277 deleted.
09/15/24	Revision: Collagen dressing position statements added; coding, reimbursement, and references updated.
10/01/24	Quarterly CPT/HCPCS coding update. Codes A2027-A2029, Q4336-Q4345 added; code A2024 revised.
01/01/25	Annual CPT/HCPCS coding update. Codes 15011-15018, C8002, Q4346-Q4353 added.

04/01/25	Quarterly CPT/HCPCS coding update. Codes A2030-A2035, Q4354-Q4367; code Q4231 deleted.
05/15/25	Review: Human amniotic membrane coverage statement updated; investigational product list, coding, and references updated.
07/01/25	Quarterly CPT/HCPCS coding update. Codes Q4368-Q4382 added.
10/01/25	Quarterly CPT/HCPCS coding update. Codes A2036-A2039, Q4383-Q4397 added.
01/01/26	Annual CPT/HCPCS coding update. Codes Q4398-Q4433 added; A2001-A4100, Q4101-Q4397 revised, C5271-C5278, Q4100, Q4106 deleted.
04/01/26	Quarterly CPT/HCPCS coding update. Codes A2040-A2045, G0681-G0684, Q4418-Q4440 added.
05/15/26	Annual review: Investigational products list, reimbursement section, and references updated.
07/01/26	Position statement, Investigational product list, and coding updated. Quarterly CPT/HCPCS coding update. Codes 1044T-1049T added.