

Orthopedic Oncology Reference Manual

LifeNet Health's mission of saving lives, restoring health and giving hope inspires our Orthopedic Oncology product offerings. We work in close collaboration with you and your staff to ensure the proper match for your patient.



About LifeNet Health

Saving Lives, Restoring Health, and Giving Hope is Our Business.

Since 1982, LifeNet Health has helped to save lives, restore health and give hope for thousands of patients each year. It is the world's most trusted provider of transplant solutions, from organ procurement to new innovations in bio-implant technologies and cellular therapies—a leader in the field of regenerative medicine, while always honoring the donors and healthcare professionals that allow the healing process.

Our full line of allograft bio-implants provides surgeons with the tools they need to improve the lives of patients. Furthermore, we provide exemplary service to clinicians and hospitals by making the finest quality allograft implants easily accessible. With LifeNet Health as your primary bio-implant supplier, you are investing in the best possible value to ensure the well being of your patients and the reputation of your hospital.

Every year LifeNet Health distributes nearly 500,000 allograft bio-implants to meet the urgent needs of hospitals and patients around the world. Our record of safety is unmatched. And our philosophy is simple: When partnering with a bio-implant supplier, your decision should not be based solely on fee, but rather on the overall value you and your patients expect and deserve.

At LifeNet Health, we deliver that value by excelling in four critical areas:



Safety



Quality



Innovation



Service



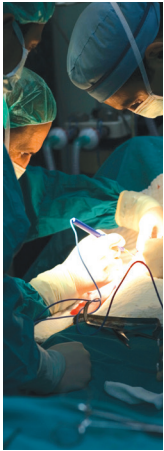
Global Headquarters located in Virginia Beach, VA

LifeNet Health Timeline

- 1982 Eastern Virginia Tissue Bank established.
- 1989 Eastern Virginia Tissue Bank becomes LifeNet.
- 1995 Allowash® cleaning technology introduced by LifeNet.
PAD® Demineralization technology introduced by LifeNet.
- 2000 LifeNet merges with Virginia's Organ Procurement Agency.
- 2001 First VertiGraft® VG2® Cervical spine allograft bio-implant is implanted.
- 2006 LifeNet merges with Florida Tissue Services, Inc. to become LifeNet Health of Florida.
- 2007 LifeNet becomes LifeNet Health.
Preservon® ambient storage, fully-hydrated preservation technology introduced by LifeNet Health.
- 2008 CardioGraft® Cardiac Patch with Matrancell® receives Food & Drug Administration (FDA) clearance.
Skin & Wound Allograft Institute is established.
OsteoCleanse® Autograft Cleaning System launched.
- 2009 LifeNet Health Regenerative Medicine Institute established.
- 2010 Record year in LifeNet Health allograft bio-implant distribution (over 300,000).
ArthroFlex®, Dermacell® and Oracell® decellularized dermis is launched.
- 2012 Northwest Tissue Services merges with LifeNet Health to become LifeNet Health Northwest.
- 2014 Introduced the ViviGen® Cellular Bone Matrix, a differentiated cellular allograft.
- 2015 Celebrated the 20th Anniversary of allograft sterility with our patented Allowash technology.

Orthopedic Oncology Reference Manual

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Osteoarticular Grafts

LARGE SEGMENTAL AND RECONSTRUCTIVE

Femur

All large segmental and reconstructive grafts are frozen.
 Large segmental and reconstructive grafts **not treated with DMSO are listed in bold type.**

Product Description		Order Code
Femur Distal (Left)		FDL60
Femur Distal (Right)		FDR60
Femur Distal with Growth Plate (Left)		FDL67
Femur Distal with Growth Plate (Right)		FDR67
Femur Whole with Head (Left)		FWL64
Femur Whole with Head (Right)		FWR64
Femur Whole with Growth Plate (Left)		FWL67
Femur Whole with Growth Plate (Right)		FWR67



Ulna, Radius

Product Description		Order Code
Whole Ulna (Left)		ULL60
Whole Ulna (Right)		ULR60
Whole Radius (Left)		RSL60
Whole Radius (Right)		RSR60

Humerus

Product Description		Order Code
Humerus Proximal with Rotator Cuff (Left)		HPL60
Humerus Proximal with Rotator Cuff (Right)		HPR60
Humerus Proximal with Growth Plate (Left)		HPL67
Humerus Proximal with Growth Plate (Right)		HPR67
Humerus Whole with Rotator Cuff and Growth Plate (Left)		HWL67
Humerus Whole with Rotator Cuff and Growth Plate (Right)		HWR67
Humerus Whole with Rotator Cuff (Left)		HWL60
Humerus Whole with Rotator Cuff (Right)		HWR60

Ankle

Product Description		Order Code
Ankle Talus (Left)		ATL60
Ankle Talus (Right)		ATR60



Tibia

Product Description		Order Code
Tibia Proximal with Patella (Left)		TPL64
Tibia Proximal with Patella (Right)		TPR64
Tibia Whole with Patella (Left)		TWL64
Tibia Whole with Patella (Right)		TWR64
Tibia Proximal with Growth Plate (Left)		TPL67
Tibia Proximal with Growth Plate (Right)		TPR67
Tibia Whole with Growth Plate (Left)		TWL67
Tibia Whole with Growth Plate (Right)		TWR67
Tibia Distal (Left)		TDL60
Tibia Distal (Right)		TDR60

Total Joint

Product Description		Order Code
Elbow (Left)		ELL60
Elbow (Right)		ELR60

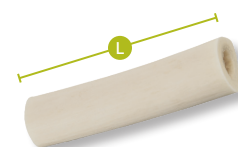


Traditional Core Allografts

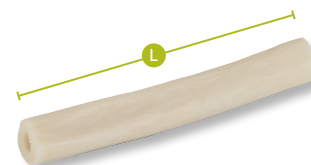
INTERCALARY

Shafts | MatriGRAFT®

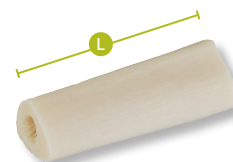
FEMORAL	Length	Freeze-Dried	Frozen	Preservon
	60 mm	FEM 6.0		PFEM 6.0
	100 mm	FEM	FFSS	PFEM
	≥ 200 mm		FFS	



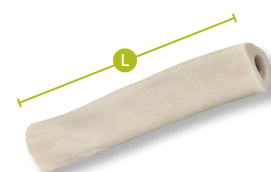
FIBULAR	Length	Freeze-Dried	Frozen	Preservon
	20 mm	FIB2.0		PFIB 2.0
	40 mm	FIB4.0		PFIB 4.0
	50 mm		FFIB5.0	
	60 mm	FIB6.0		PFIB 6.0
	80 mm	FIB8.0		PFIB 8.0
	100 mm	FIB	FFIB10	PFIB
	150 mm		FFIB	
	> 200 mm		FFIBS	



TIBIAL	Length	Freeze-Dried	Frozen
	60 mm	TIB 6.0	
	100 mm	TIB	FTSS
	≥ 200 mm		FTS



HUMERAL	Length	Frozen
	> 200 mm	FHSS

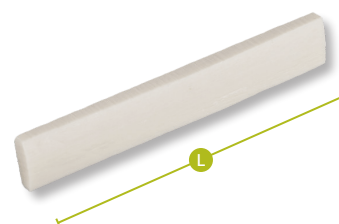




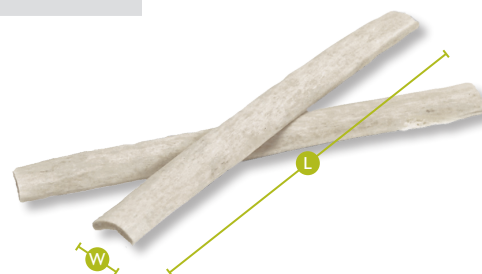
SUPPLEMENTAL

Struts | MatriGRAFT®

FEMORAL	Length	Freeze-Dried	Frozen
Cortical Strut	15 x 100 mm (1 per pack)	CS1	
	15 x 100 mm (2 per pack)	CS	
	10 x 45 mm (1 per pack)		FCS1.0
	15 x 120 mm (1 per pack)		FCS1.5
	20 x 200 mm (1 per pack)		FCS
Cortical Strut Quarter	> 210 mm		FCSQ
Cortical Strut Bisected	> 210 mm		FBFS
Cortical Match Sticks	5 x 100 mm (6 per pack)	CMS	



TIBIAL	Length	Freeze-Dried	Frozen
	15 x 100 mm (2 per pack)	CST	
	15 x 100 mm (1 per pack)	CST1	
	20 x 200 mm		FTCS





BONE VOID FILLERS

Cancellous Chips | **ReadiGRAFT®**

0.1 - 2 mm	Size	Preservon
	5 cc	PCAN5 12
	15 cc	PCAN15 12
	30 cc	PCAN30 12



1 - 4 mm	Size	Freeze-Dried	Frozen	Preservon
	5 cc			PCAN5 14
	15 cc	CAN15 14BP	FCAN15 14	PCAN15 14
	20 cc	CAN20 14BP		PCAN20 14
	30 cc	CAN30 14BP	FCAN30 14	PCAN30 14
	40 cc	CAN40 14BP		PCAN40 14
	60 cc	CAN60 14BP	FCAN60 14	PCAN60 14
	80 cc	CAN80 14BP		PCAN80 14
	90 cc	CAN90 14BP	FCAN90 14	PCAN90 14



Cancellous Chips continued

1 - 8 mm	Size	Freeze Dried	Frozen	Preservon
	5 cc	CAN5		PCAN5
	10 cc	CAN10		PCAN10
	15 cc	CAN15	FCAN15	PCAN15
	20 cc	CAN1/4	FCAN1/4	PCAN1/4
	30 cc	CAN30	FCAN30	PCAN30
	40 cc	CAN1/2	FCAN1/2	PCAN1/2
	60 cc	CAN60		PCAN60
	80 cc	CAN1	FCAN1	PCAN1
	90 cc	CAN90	FCAN90	PCAN90
	160 cc		FCAN2	



4 - 10 mm	Size	Freeze Dried	Frozen	Preservon
	15 cc	CAN15 410BP	FCAN15 410	PCAN15 410
	30 cc	CAN30 410BP	FCAN30 410	PCAN30 410
	60 cc	CAN60 410BP	FCAN60 410	PCAN60 410
	90 cc	CAN90 410BP	FCAN90 410	PCAN90 410



Cancellous Blocks | ReadiGRAFT®

20 x 20 x 30 mm	Freeze Dried	Preservon
	CANBLOCK	PCANBLOCK



Cancellous Cubes | ReadiGRAFT®

0.5 x 0.5 x 0.5 cm	Size	Freeze-Dried	Preservon
	5 cc	CANCUBE05 S	CANCUBE05 SP
	15 cc	CANCUBE15 S	CANCUBE15 SP



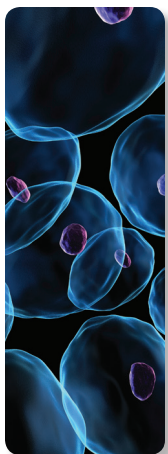
1 x 1 x 1 cm	Size	Freeze-Dried	Preservon
	20 cc (8 cubes)	CANCUBE1/4	PCANCUBE1/4
	30 cc (12 cubes)	CANCUBE30	PCANCUBE30
	40 cc (16 cubes)	CANCUBE1/2	PCANCUBE1/2

Cortical/Cancellous Chips | ReadiGRAFT®

1 - 4 mm	Size	Preservon
	15 cc	PCC15 14
	30 cc	PCC30 14
	60 cc	PCC60 14
	90 cc	PCC90 14



1 - 8 mm	Size	Freeze-Dried	Preservon
	10 cc	CC10	PCC10
	15 cc		PCC15
	20 cc	CC1/4	PCC1/4
	30 cc	CC30	PCC30
	40 cc	CC1/2	PCC1/2
	60 cc	CC60	PCC60
	90 cc	CC90	PCC90



Osteobiologics

Optium® DBM

GEL	Size	Freeze-Dried
	1 cc	TGEL01
	5 cc	TGEL05
	10 cc	TGEL10



PUTTY	Size	Freeze-Dried
	1 cc	TPUT01
	2.5 cc	TPUT02
	5 cc	TPUT05
	10 cc	TPUT10



I/C Graft Chamber®

DBM PARTICULATE	Size	Freeze-Dried
	5 cc	GDS005T
	10 cc	GDS010T
	15 cc	GDS015T





Demineralized Cancellous Sponge | FlexiGRAFT®

CUBES	Size	Freeze-Dried
	8 x 8 x 8 mm	BL-1100-001
	10 x 10 x 10 mm	BL-1100-003
	12 x 12 x 12 mm	BL-1100-002



STRIPS	Size	Freeze-Dried
	10 x 20 x 2 mm	BL-1300-001
	15 x 40 x 2 mm	BL-1300-002
	20 x 25 x 6 mm	BL-1300-003
	10 x 20 x 8 mm	BL-1300-004



CHIPS, 1 - 4 mm	Size	Freeze-Dried
	1 cc	BL-1200-001
	2.5 cc	BL-1200-002
	5 cc	BL-1200-003



Demineralized Cortical Fibers | FlexiGRAFT®

FIBERS	Size	Freeze-Dried
	1 cc	BL-1000-001
	2.5 cc	BL-1000-002
	5.0 cc	BL-1000-003
	10 cc	BL-1000-004



LifeNet Health's Graft Matching Approach

Our commitment to you:



1. Listen to your needs. When contacting our Client Services Department, please include the following information:

- Graft type
- Operative side (i.e. left, right)
- Desired Allograft Dimensions (e.g. condyle width, shaft length)
- Patient's height, weight, age, gender

2. Review available inventory and provide you with the grafts that best match your surgical needs

3. Provide you with graft specification to help in your decision making

- We can provide detailed dissection sheet featuring pertinent graft dimensions, as well as graft x-rays.

4. Collaborate with you and your team to help select the best possible solution

Ordering LifeNet Health Allograft Bio-Implants

Health-care facilities, approved distributors and authorized tissue-dispensing intermediaries are permitted to order allograft bio-implants from LifeNet Health. Only licensed clinical professionals may actually transplant tissue.

Orders may be placed by phone, fax and/or email at orders@lifenethealth.org. A valid purchase order number must be provided for all orders. All phone calls to LifeNet Health's Client Services department are recorded for quality control purposes.

Dedicated OA Order Line: Call 1-888-847-7831 and press 6 to order LifeNet Health OA product.

Title to LifeNet Health products passes from LifeNet Health to the customer once the shipment leaves our facility.

Free Next-Day Delivery

All frozen bio-implants are shipped FedEx/UPS Next Day to arrive by 10:30 a.m. free of charge, using our 60-hour shippers Monday-Saturday.

All cryopreserved bio-implants are shipped for next-day delivery based on the needs of the customer. A return shipping fee of \$450.00 will be assessed for CardioGraft and AngioGraft tissues when all allografts shipped in a shipment are returned. Please contact Client Services for details.

Free 3 Day Select Delivery

All freeze dried and Preservon® bio-implants are shipped FedEx/UPS 3 Day Select for delivery by 5:00 p.m., free of charge.

For all other freeze dried bio-implant orders, the following methods are also available for a fee:

FedEx/UPS EAM: \$45.00
 FedEx/UPS ND Air: \$42.00
 FedEx/UPS ND SVR: \$36.50
 FedEx/UPS 2nd Day Air: \$29.50

Early AM Delivery for CardioGraft and AngioGraft

LifeNet Health requires a surcharge for any Early AM (before 10:30 a.m.) shipment. Additional charges may apply. Please contact Client Services about additional charges.

Return Policy

LifeNet Health allows for the return of most unused allograft bio-implants 90 days from the date of purchase as long as specific criteria have been met. For information about returning allograft tissue, please contact LifeNet Health Client Services at 1-888-847-7831 or refer to LifeNet Health's Return Policy for specific guidelines.

Payment Terms and Conditions

Payments are due 30 days from the invoice date unless otherwise stated. Payments are due in US dollar only. Allowable forms of payment are: Company Check, Visa/Master Card, ACH, or wire transfer. Account statements are sent monthly to all accounts as a reminder of outstanding payments due. For any payment questions or information please call 1-757-464-4761 ext. 4444 or email at: accountsreceivable@lifenethealth.org

Please Mail All Payments To:

LifeNet Health
 P.O. Box 79636
 Baltimore, MD 21279-0636

LifeNet Health Vendor Information

Company:

LifeNet Health, Inc.
 Address: 1864 Concert Drive Virginia Beach, VA 23453

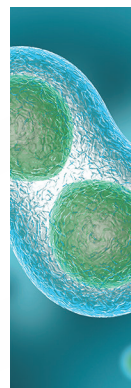
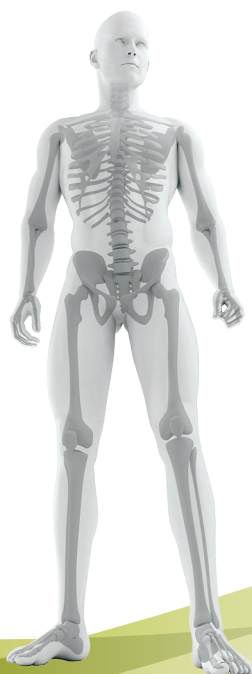
Toll Free Phone: 1-888-847-7831
 1-757-464-4761 ext. 2000 (OUS)

Toll Free Fax: 1-888-847-7832
 1-757-301-6579 (OUS)

Email: orders@lifenethealth.org

Summary Of LifeNet Health Accreditations/Certifications

- ✓ AATB ACCREDITATION
- ✓ FDA REGISTRATION
- ✓ UNOS MEMBER
- ✓ AOPO MEMBER
- ✓ ISO 13485 CERTIFIED
- ✓ CLIA CERTIFIED
- ✓ LICENSED IN REQUIRED STATES
- ✓ HEALTH CANADA CTO 10038



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1-888-847-7831 (US & Canada)
1-757-464-4761 ext. 2000 (OUS)

www.LifeNetHealth.org

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