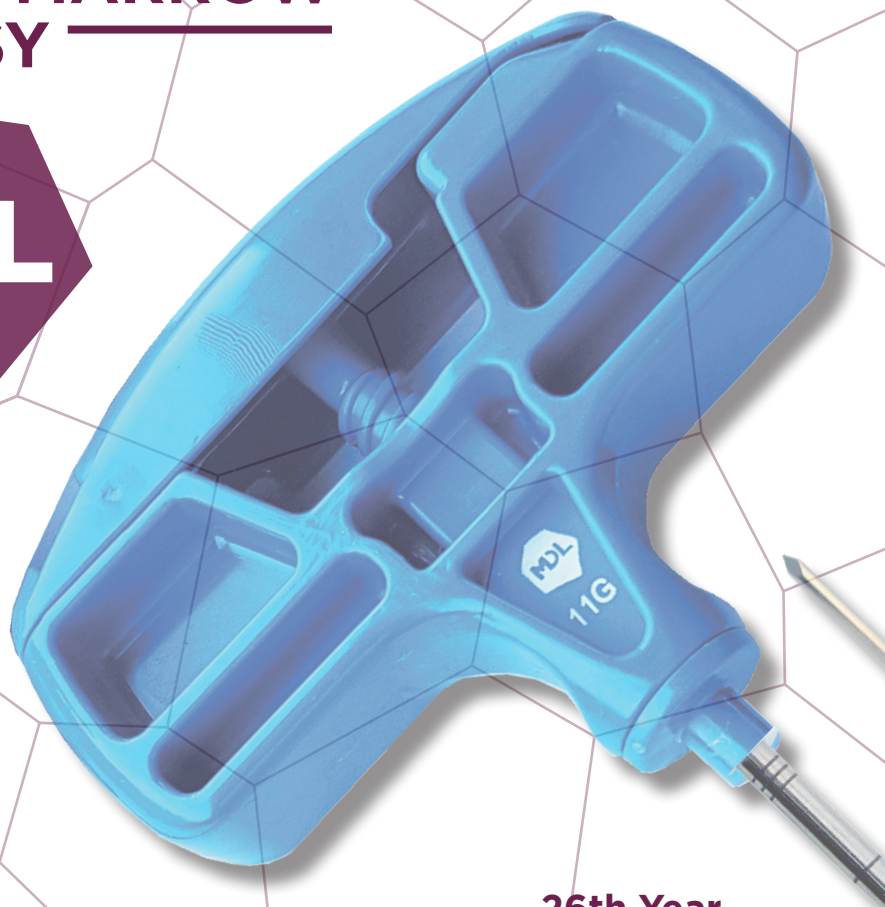


# **BONE MARROW BIOPSY**



**26th Year  
Manufacturing  
Since 1993**





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# INDEX

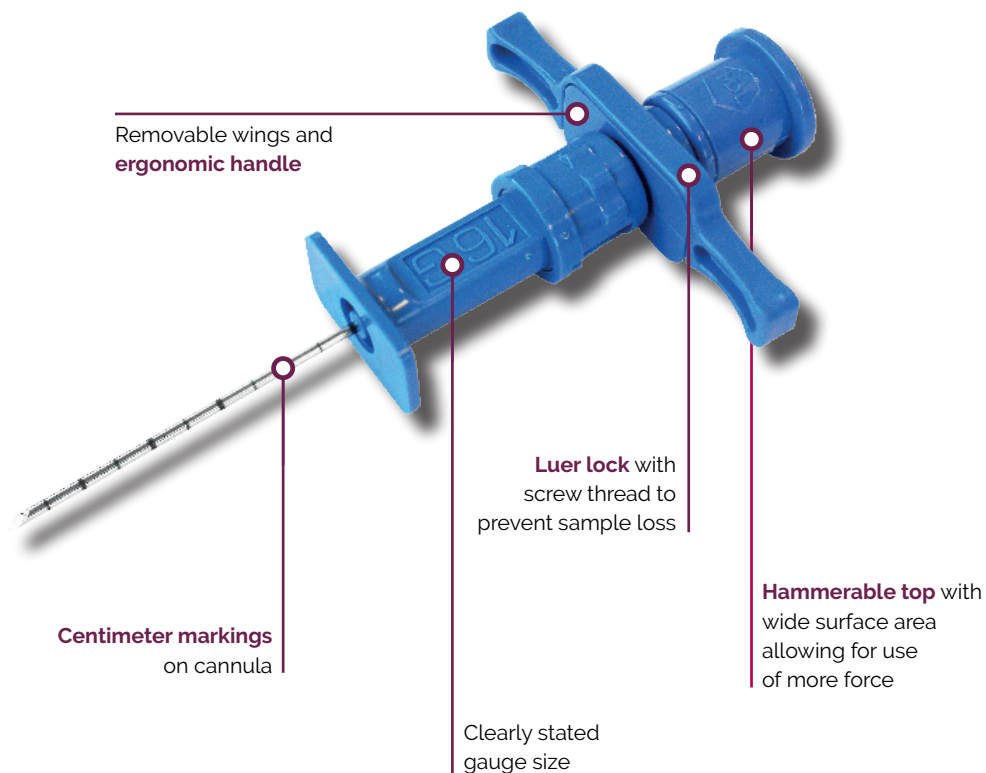
PEN BONE BLU	06
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# PEN BONE BLU

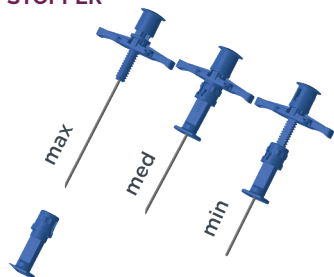
*Needle for sternal or iliac crest  
marrow aspiration, light version*

REF: PIPxxyy/zz

pp.16



## ADJUSTABLE SAFETY STOPPER



Disposable device for sternal or iliac aspiration.

Provided with additional wings and ergonomic handle to allow an optimal grip during the procedure.



# PEN BONE

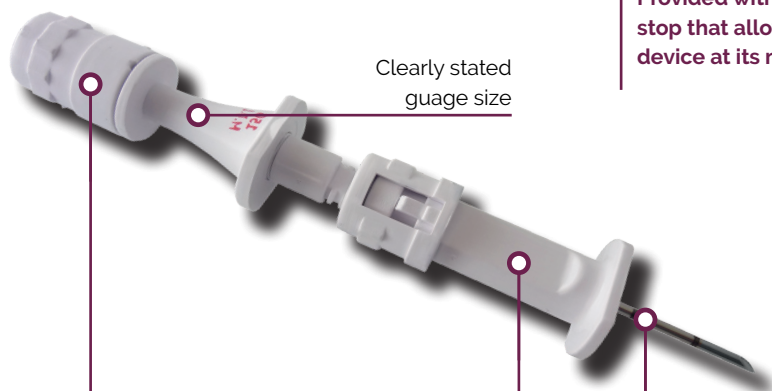
*Needle for sternal or iliac crest  
marrow aspiration Light version with  
removable depth stopper*

REF: PIxxyy/zz

pp.16

Disposable device for sternal or  
iliac aspiration with proven high  
reliability performance.

Provided with removable depth  
stop that allows to use the  
device at its maximum length

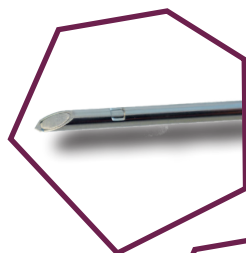


Clearly stated  
guage size

**Luer lock** with screw  
thread to prevent

**Easily detachable**  
safety stopper

**Centimeter markings**  
on cannula



**Version with side holes for  
transplantation procedures**

REF: PIExxyy/zz

pp.17



**Version for pediatric sternal  
bone marrow aspiration**

REF: PIGxxyy

pp.17



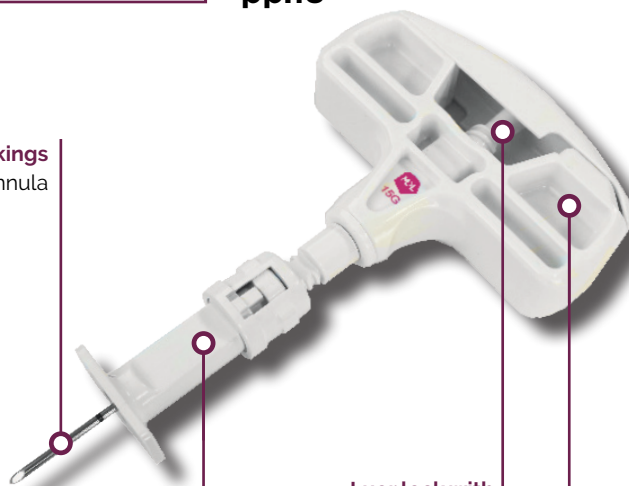
# ILLY

*Needle for sternal or iliac crest  
marrow aspiration, light version*

REF: PILxxyy/zz

pp.18

Centimeter markings  
on cannula

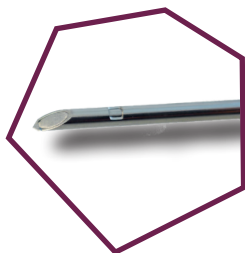


Luer lock with  
screw thread

Easily detachable  
safety stoppe

Ergonomic T-handle

Disposable device that ensures  
high reliability performance during  
medullar aspiration procedure.  
The ergonomic "T" handle offers  
optimal pressure and a secure grip to  
facilitate the penetration into  
the cortical.



Version with side holes for  
transplantation procedures

REF: PILExxyy/zz

pp.18



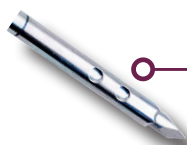
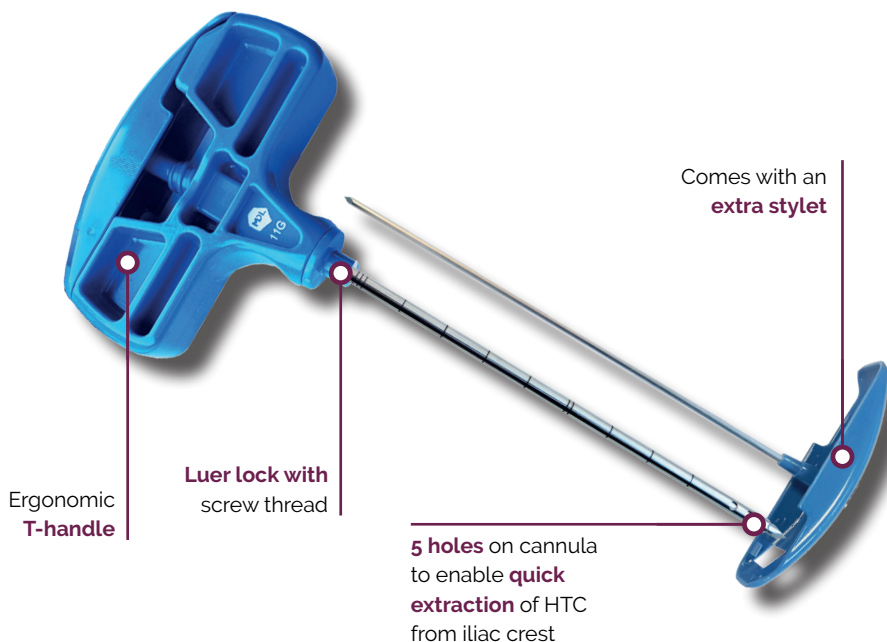


# HARVEST

*Needle for biopsy or transplantation procedure of bone marrow*

REF: PJExxyy/zz

pp.19



**Trocar point** allows concentrated force in the middle of the needle

Disposable device specifically designed for bone marrow removal and for Haemopoietic Stem Cells Transplantation procedure (HSCT).

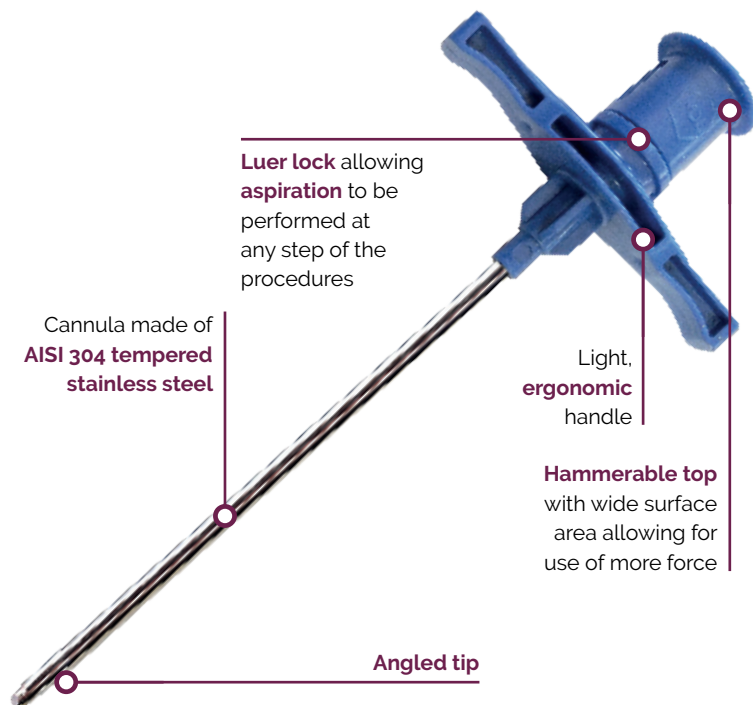
The holes on the cannula are alternated to enable a quick and efficient extraction of Haemopoietic stem cells (HTC) from the back iliac crest.

# JAM BLU

*Bone marrow biopsy needle*

REF: PJK2xxyyy

pp.19



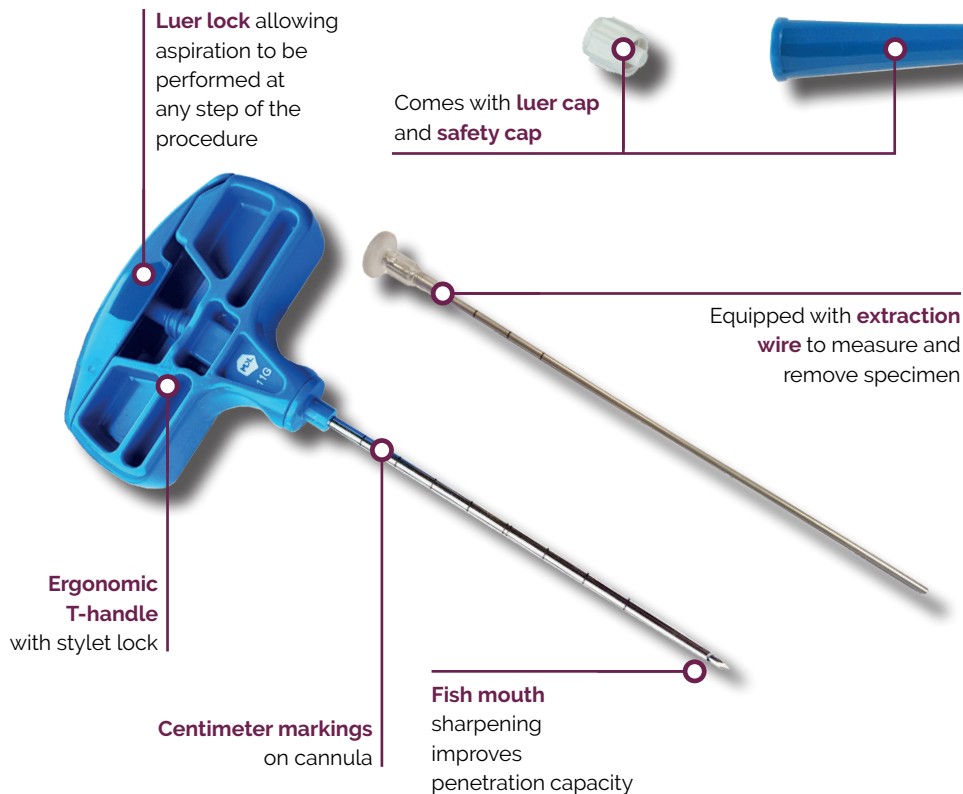
Disposable device for bone tissue biopsy, provided with a light, ergonomic and hammer-safe handle, able to distribute in an optimal way the pressure applied by the operator during the introduction of the device in the cortical bone.

# OSTEOJ

Bone marrow biopsy needle

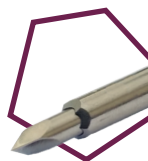
REF: PJxxyy

pp.20



Disposable device for bone marrow biopsy with an ergonomic "T" handle optimizing the distribution of the pressure applied by the operator during the insertion into the cortical bone.

The device is equipped with a styllet having a trocar pyramidal tip to allow a quick and less invasive penetration into the cortical.



REF: PJHxxyy

pp.20



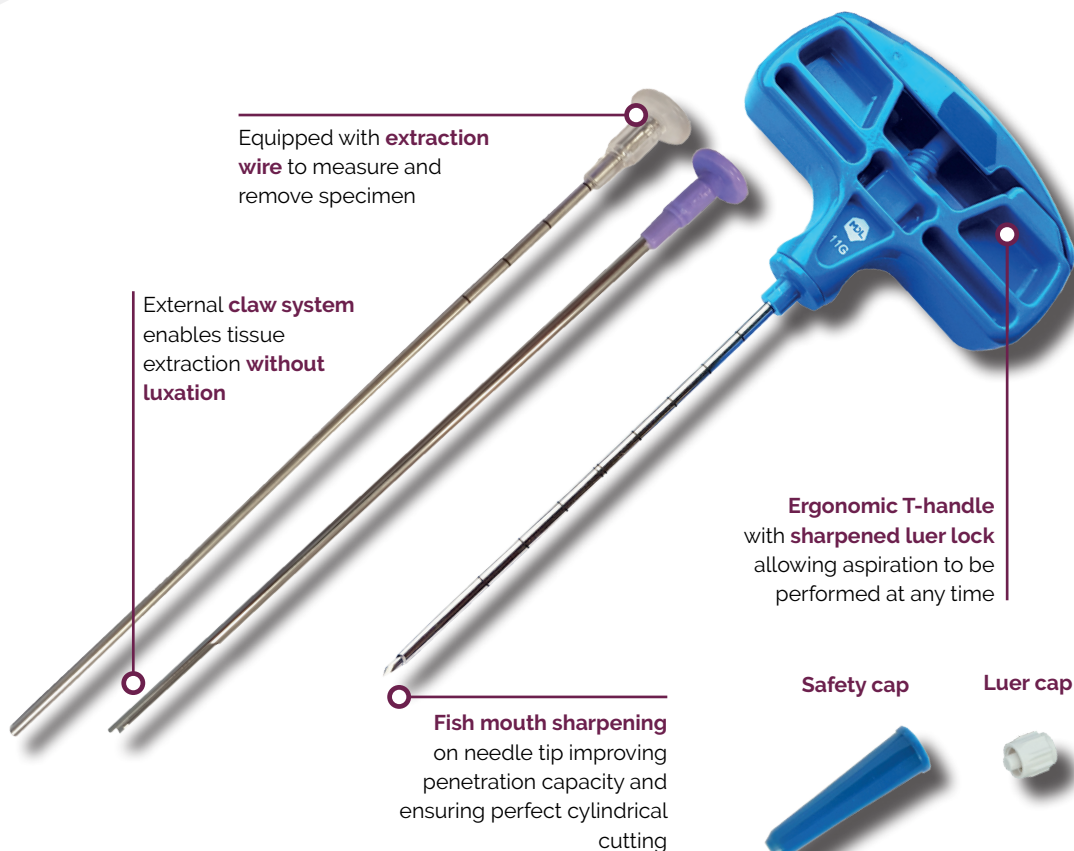
# PICK UP

Bone marrow biopsy needle

REF: PJTxxyy

pp.20

Disposable device for bone marrow biopsy featured with an external catching-system that enables the tissue extraction without luxation.

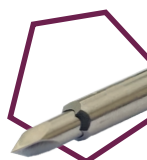
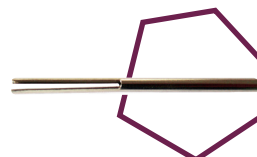


pp.20

REF: PJTDxxyy

pp.21

REF: PJTHxxyy

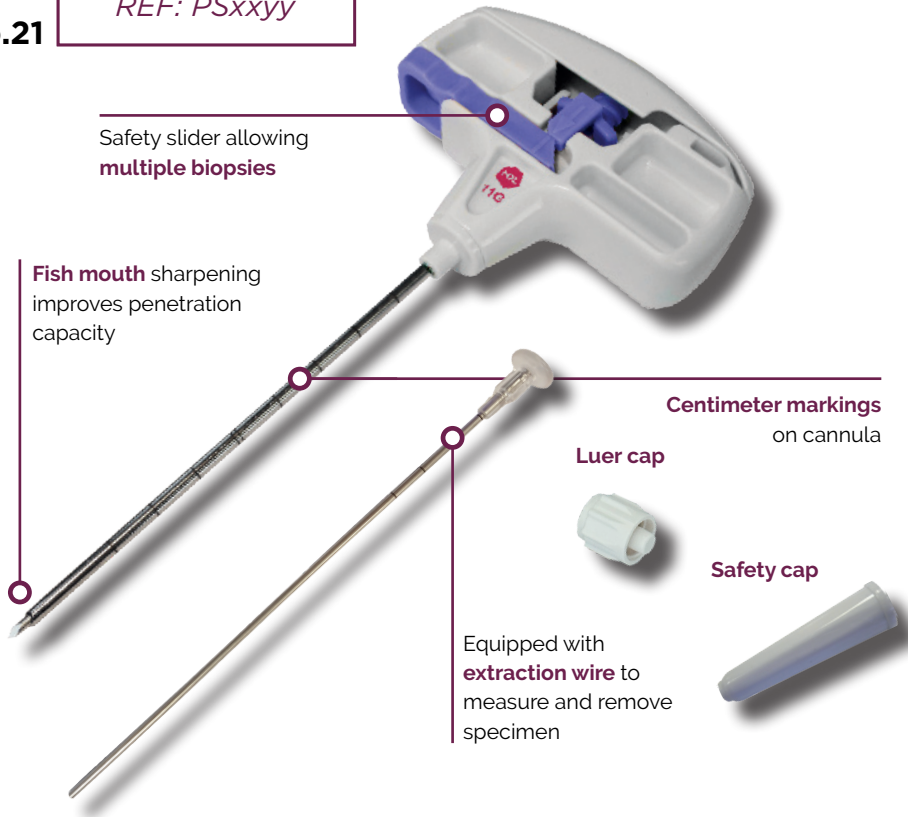


# PRESS TO

Bone marrow biopsy needle

pp.21

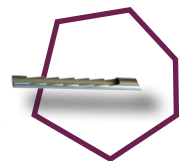
REF: PSxxyy



Disposable device for bone tissue biopsy providing an internal trap system that enables tissue extraction without luxation. PressTo is a unique device that offers more benefits when compared to other similar devices available on the market and specifically:

- It avoids complications caused by luxation movement which turn into pain for the patient;
- It considerably increases the probability of positive outcome of the procedure;
- It enables a simpler and safer extraction of the specimen from the needle as the specimen is itself removed together with the trap system.

Internal jagged edge surface enables tissue extraction without luxation



The particular shape of PressTo needle allows the withdrawal of tissues specimen with a diameter greater than about 15% when compared to a traditional needles on the market.



# WIRECUT

*Bone marrow biopsy needle without  
luxation*

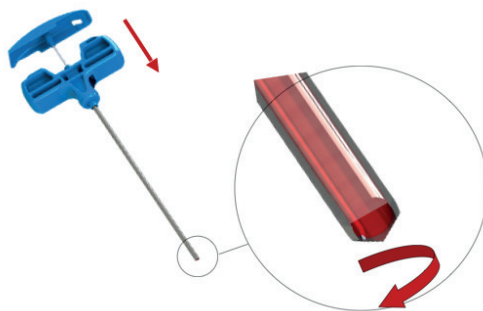
REF: BWxxyy

pp.21



The **special wire** is inserted between the cannula and the sample after that the bone marrow tissue has penetrated into the internal cavity of the needle tip.

The thickness created by the wire allows, with a rotation of the needle of 360 °, to easily detach the tissue from the substrate and safely extract the specimen.



# ORDER INFORMATION

## PenBone Blu - pp.06



Code	Gauge	Minimum length	Maximum length
PIP1410/50	14 G	10 mm	50 mm
PIP1430/70	14 G	30mm	70 mm
PIP1455/95	14 G	55 mm	95 mm
PIP1510/50	15 G	10 mm	50 mm
PIP1530/70	15 G	30 mm	70 mm
PIP1555/95	15 G	55 mm	95 mm
PIP1610/50	16 G	10 mm	50 mm
PIP1630/70	16 G	30mm	70 mm
PIP1655/95	16 G	55 mm	95 mm
PIP1810/50	18 G	10 mm	50 mm
PIP1830/70	18 G	30 mm	70 mm
PIP1855/95	18 G	55 mm	95 mm

## PenBone - pp.07



Code	Gauge	Minimum length	Maximum length
PI1410/75	14	10 mm	75 mm
PI1425/90	14	25 mm	90 mm
PI1435/100	14	35 mm	100 mm
PI1510/75	15G	10 mm	75 mm
PI1525/90	15G	25 mm	90 mm
PI1535/100	15G	35 mm	100mm
PI1610/75	16G	10 mm	75 mm
PI1625/90	16G	25 mm	90 mm
PI1635/100	16G	35 mm	100 mm
PI1810/75	18G	10 mm	75 mm
PI1825/90	18G	25 mm	90 mm
PI1835/100	18G	35 mm	100 mm



## PenBoneE - pp.07



Code	Gauge	Minimum length	Maximum length
PIE1410/75	14	10 mm	75 mm
PIE1425/90	14	25 mm	90 mm
PIE1435/100	14	35 mm	100 mm
PIE1510/75	15G	10 mm	75 mm
PIE1525/90	15G	25 mm	90 mm
PIE1535/100	15G	35 mm	100mm
PIE1610/75	16G	10 mm	75 mm
PIE1625/90	16G	25 mm	90 mm
PIE1635/100	16G	35 mm	100 mm
PIE1810/75	18G	10 mm	75 mm
PIE1825/90	18G	25 mm	90 mm
PIE1835/100	18G	35 mm	100 mm

## Pediatric Bone Marrow Aspiration - pp.07



Code	Gauge	Minimum length
PIG1420	14G	10 mm
PIG1430	14G	30 mm
PIG1435	14G	35 mm
PIG1440	14G	40 mm
PIG1445	14G	45 mm
PIG1450	14G	50 mm
PIG1460	14G	60 mm
PIG1520	15G	10 mm
PIG1530	15G	30 mm
PIG1535	15G	35 mm
PIG1540	15G	40 mm
PIG1545	15G	45 mm
PIG1550	15G	50 mm

PIG1560	15G	60 mm
PIG1620	16G	10 mm
PIG1630	16G	30 mm
PIG1635	16G	35 mm
PIG1640	16G	40 mm
PIG1645	16G	45 mm
PIG1650	16G	50 mm
PIG1660	16G	60 mm
PIG1820	18G	10 mm
PIG1830	18G	30 mm
PIG1835	18G	35 mm
PIG1840	18G	40 mm
PIG1845	18G	45 mm
PIG1850	18G	50 mm
PIG1860	18G	60 mm



## Illy - pp.08

Code	Gauge	Minimum length	Maximum length
PIL1410/75	14G	10 mm	75 mm
PIL1420/85	14G	20 mm	85 mm
PIL1435/100	14G	35 mm	100 mm
PIL1510/75	15G	10 mm	75 mm
PIL1520/85	15G	20 mm	85 mm
PIL1535/100	15G	35 mm	100 mm
PIL1610/75	16G	10 mm	75 mm
PIL1620/85	16G	20 mm	85 mm
PIL1635/100	16G	35 mm	100 mm
PIL1810/75	18G	10 mm	75 mm
PIL1820/85	18G	20 mm	85 mm
PIL1835/100	18G	35 mm	100 mm



## IllyE - pp.08

Code	Gauge	Minimum length	Maximum length
PILE1410/75	14G	10 mm	75 mm
PILE1420/85	14G	20 mm	85 mm
PILE1435/100	14G	35 mm	100 mm
PILE1510/75	15G	10 mm	75 mm
PILE1520/85	15G	20 mm	85 mm
PILE1535/100	15G	35 mm	100 mm
PILE1610/75	16G	10 mm	75 mm
PILE1620/85	16G	20 mm	85 mm
PILE1635/100	16G	35 mm	100 mm
PILE1810/75	18G	10 mm	75 mm
PILE1820/85	18G	20 mm	85 mm
PILE1835/100	18G	35 mm	100 mm



## Harvest - pp.09

Code	Gauge	Length
PJE0810	8 G	100 mm
PJE0815		150 mm
PJE0910	9 G	100 mm
PJE0915		150 mm
PJE1110	11 G	100 mm
PJE1115		150 mm
PJE1306	13 G	60 mm
PJE1310		100 mm
PJE1315		150 mm



## Harvest8 - pp.09

Code	Gauge	Length
PJE081110	11 G	100 mm
PJE081115		150 mm

## Harvest15 - pp.09

Code	Gauge	Length
PJE151110	11 G	100 mm
PJE151115		150 mm

## CellColt - pp.10

Code	Gauge	Length
PJES1110	11 G	100 mm



## JamBlu - pp.11

Code	Gauge	Length
PJK20810	8 G	100 mm
PJK20815		150 mm
PJK20910	9 G	100 mm
PJK20915		150 mm
PJK21110	11 G	100 mm
PJK21115		150 mm
PJK21306	13 G	60 mm
PJK21310		100 mm
PJK21315		150 mm



## OsteoJ - pp.12



Code	Gauge	Length
PJ0810	8 G	100 mm
PJ0815		150 mm
PJ0910	9 G	100 mm
PJ0915		150 mm
PJ1110	11 G	100 mm
PJ1115		150 mm
PJ1306	13 G	60 mm
PJ1310		100 mm
PJ1315		150 mm

## OsteoJH - pp.12

Code	Gauge	Length
PJH0810	8 G	100 mm
PJH0815		150 mm
PJH0910	9 G	100 mm
PJH0915		150 mm
PJH1110	11 G	100 mm
PJH1115		150 mm
PJH1306	13 G	60 mm
PJH1310		100 mm
PJH1315		150 mm

## PickUp - pp.13



Code	Gauge	Length
PJT0810	8 G	100 mm
PJT0815		150 mm
PJT0910	9 G	100 mm
PJT0915		150 mm
PJT1110	11 G	100 mm
PJT1115		150 mm
PJT1306	13 G	60 mm
PJT1310		100 mm
PJT1315		150 mm

## PickUpD - pp.13

Code	Gauge	Length
PJTD0810	8 G	100 mm
PJTD0815		150 mm
PJTD0910	9 G	100 mm
PJTD0915		150 mm
PJTD1110	11 G	100 mm
PJTD1115		150 mm
PJTD1306	13 G	60 mm
PJTD1310		100 mm
PJTD1315		150 mm

## PickUpH - pp.13



Code	Gauge	Length
PJTH0810	8 G	100 mm
PJTH0815		150 mm
PJTH0910	9 G	100 mm
PJTH0915		150 mm
PJTH1110	11 G	100 mm
PJTH1115		150 mm
PJTH1306	13 G	60 mm
PJTH1310		100 mm
PJTH1315		150 mm



## PressTo - pp.14

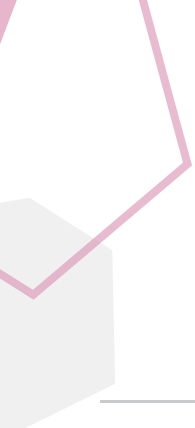
Code	Gauge	Length
PS0810	8 G	100 mm
PS0815		150 mm
PS0910	9 G	100 mm
PS0915		150 mm
PS1110	11 G	100 mm
PS1115		150 mm
PS1306	13 G	60 mm
PS1310		100 mm
PS1315		150 mm

## WireCut - pp.15



Code	Gauge	Length
BW0810	8 G	100 mm
BW0815		150 mm
BW0910	9 G	100 mm
BW0915		150 mm
BW1110	11 G	100 mm
BW1115		150 mm
BW1306	13 G	60 mm
BW1310		100 mm
BW1315		150 mm

Handwriting practice lines consisting of multiple horizontal lines for text entry.

[illegible]This image shows a full page of blank, lined paper. It features approximately 20 evenly spaced horizontal grey lines across its entire width, typical of notebook or school paper. The background is white, and there are no margins, text, or other markings present.

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Handwriting practice lines consisting of multiple horizontal lines for text entry.

[illegible]This image shows a full page of blank, lined paper. It features approximately 20 evenly spaced horizontal grey lines across its entire width, typical of notebook or legal stationery. The background is a solid off-white color, and there are no margins, text, or other markings present.

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Handwriting practice lines consisting of multiple horizontal lines for text entry.





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