CellPath
INNOVATION IN CELLULAR PATHOLOGY

TRUSLICE

Specimen Cut Up Systems

ACCURATE & CONSISTENT SLICING | HIGH QUALITY PROCESSING | UKAS COMPLIANT


TruSlice


TruSlice

Innovation in Cellular Pathology

Developed in partnership with Guy's and St Thomas' NHS Foundation Trust [1], CellPath's TruSlice Specimen Cut Up Systems eliminate the possibility of dissection inaccuracies associated with conventional cutting procedures. Suitable for slicing both fresh and fixed tissue, TruSlice enables accurate and consistent grossing of tissue specimens. It significantly reduces the time taken to gross specimens and ensures optimal fixation and high quality tissue processing. TruSlice facilitates the slicing of fresh breast tissues in accordance with recommendations of HER2 testing in the UK[2] and ASCO/CAP in the USA[3,4]

1 Development of New and Accurate Measurement Devices (TruSlice and TruSlice Digital) for use in Histological Dissection: An Attempt to Improve Specimen Dissection Precision. *Orchard G.E, Shams M. et al. Br J Biomed Sci 2015; 72 (3): 140-145*

2 HER2 Testing in the UK: Further update to Recommendations. *R.A. Walker et al. J. Clin. Pathol. 2008; 61: 818-824*

3 American Society of Clinical Oncology/College of American Pathologists Guideline Recommendations for Immunohistochemical Testing of Estrogen and Progesterone Receptors in Breast Cancer. *Hammond et al. Arch Pathol Lab Med-2010*

4 ASCO/CAP Guideline Recommendations for Human Epidermal Growth Factor Receptor 2 Testing in Breast Cancer. *A.C. Wolff et al. Arch Pathol Lab Med - Vol 131, January 2007*

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TruSlice
[CBA-0100-00A]

Reduce Processing Times through Accurate and Consistent Slicing

TruSlice utilises colour coded cut inserts to vary the slice thickness (2,3,4 and 5mm), which can be easily changed to adjust to the desired thickness of specimen slice.

During the cut up, clear Perspex immobilisation plates ensure that users are able to control the pressure applied to a specimen, preventing the possibility of deformation during slicing.

SPECIFICATIONS

Dimensions:	**W120mm x D260mm x H110mm**
Cutting Face:	**W62mm x H71.75mm**
Weight:	**5Kg (11lbs)**
Material:	**316 Stainless Steel**
Inserts:	**HDPE Plastic**

IVD CE

Manufactured from 316 stainless steel, the TruSlice Cut Up System has been specifically designed to allow for quick and easy cleaning.

In accordance with the ISO: 15189: 2012 standard, an optional calibration set is available, which can be used by the end user to check the accuracy of their TruSlice instrument. This provides complete assurance to the user as to the accuracy of the sliced tissue specimen.

Also available with the TruSlice system is the SureCut Dissection Board. This allows the user to integrate the instrument into a cutting board, saving valuable worktop space.

> AS TRUSLICE IS ISO 15189 COMPLIANT, IT GIVES US COMPLETE CONFIDENCE IN THE GROSSING PROCESS THROUGH ENSURING A CONSISTENT AND ACCURATE SLICING, AND WILL PLAY AN INCREASING ROLE IN ANATOMICAL GROSSING PROCEDURES AT THE TRUST.
>
> Dr. G. Orchard, Guy's and St. Thomas' NHS Foundation Trust

KEY BENEFITS

1. Enables accurate and consistent slicing of tissue specimens
2. Suitable for slicing both fresh and fixed tissue
3. Ensures consistent high quality processing and reduced processing times
4. Small footprint takes up minimal space at the cut up bench
5. 50mm immobilisation plate facilitates grossing of soft tissue specimens
6. Robust instrument manufactured from 316 stainless steel
7. Easy to clean
8. Optional UKAS calibration set ensures confidence in the accuracy of the cut up system
9. Optional SureCut dissection board specifically developed to accommodate 'TruSlice' system as well as a UKAS calibrated ruler

CBA-0100-00A TruSlice Specimen Cut Up System

SYSTEM COMPRISES:

Description	Qty
TruSlice Specimen Cut up System	1
TruSlice 2mm Insert – Red	1
TruSlice 3mm Insert – Yellow	1
TruSlice 4mm Insert – Green	1
TruSlice 5mm Insert – Blue	1
TruSlice Small Cutting Insert	1
TruSlice 50mm Immobilisation Plate	1
MacroKnife 10" (250mm) Lung Knife	1
TruSlice Quick Start Instructions for Use	1
3mm Allen key	1
Waterproof case 20.5" with Foam	1
Supa Mega Mother Ship Cassette Sample Pack	1
Supa Mega Slim Cassette Sample Pack	1

SUGGESTED ACCESSORIES:

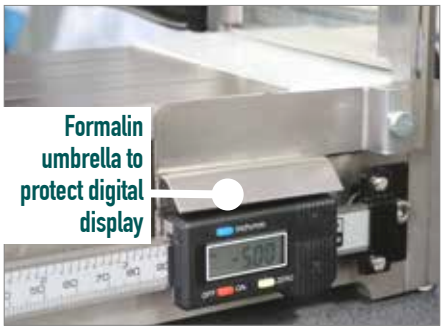
CBA-0100-00B	TruSlice SureCut Board - White
QAA-0100-00A	Steel Rule, Rigid, 300mm/12" - UKAS Calibrated
CBA-0300-00C	2, 3, 4, 5mm Calibration Set - UKAS Certified
CAA-1001-01A	10 Pack MacroKnife 10" (250mm) Lung Knife

TruSlice Digital
[CBA-0200-00A]

Quick and Easy to Reconfigure Slice Thickness

Also manufactured from 316 stainless steel, the TruSlice Digital Cut Up System is designed for robustness and minimal use of bench space.

With all the benefits of the TruSlice system, TruSlice Digital utilises an adjustable moving knife guide rather than colour coded inserts. Incorporating a digital display, users can quickly vary slice thickness from 1mm to 10mm, thus offering greater flexibility to the user.



CBA-0200-00A TruSlice Digital Specimen Cut up System

SYSTEM COMPRISES:

Description	Qty
TruSlice Digital Specimen Cut up System	1
TruSlice 50mm Immobilisation Plate	1
TruSlice 75mm Immobilisation Plate	1
TruSlice Digital – Cutting Insert	1
MacroKnife 10” (250mm) Lung Knife	1
TruSlice Digital Quick Start Instructions for Use	1
3mm Allen Key	1
4mm Allen Key	1
Waterproof case 20.5” with Foam	1
Supa Mega Mother Ship Cassette Sample Pack	1
Supa Mega Slim Cassette Sample Pack	1

SUGGESTED ACCESSORIES:

CBA-0300-00C	2, 3, 4, 5mm Calibration Set - UKAS Certified
CAA-1001-01A	10 Pack MacroKnife 10” (250mm) Lung Knife

SPECIFICATIONS

Dimensions:	W120mm x D310mm x H195mm
Cutting Face:	W101mm x H87.5mm
Weight:	10Kg (22lbs)
Material:	316 Stainless Steel
Inserts:	HDPE Plastic

IVD CE

"TruSlice was very quick to set-up and integrate into our laboratory. As the device ensures ease of cutting consistency, it has made it possible for us to provide greater standardisation of techniques such as tissue freezing and formalin fixation, and microwave tissue processing – this is only possible due to the accuracy of the device and resultant consistent slice thicknesses.

I wouldn't hesitate to recommend the TruSlice Cut Up System to other laboratories."

Dr G M Reynolds PhD CSci FIBMS
Cellular Pathology Lead & Hon. Senior Research Fellow
University of Birmingham

KEY BENEFITS

1. Enables accurate and consistent slicing of tissue specimens
2. Reduces the time taken to gross specimens
3. Suitable for slicing both fresh and fixed tissue
4. Ensures consistent high quality processing and reduced processing times
5. Small footprint takes up minimal bench space
6. Quick and easy to re-configure slice thickness
7. Easy to clean
8. 50mm and 75mm clear perspex immobilisation plates facilitate grossing of soft tissue specimens
9. Optional UKAS calibration set ensures confidence in the accuracy of the cut up system
10. Adjustable moving knife guide with digital display, can be set for any slice thickness from 1 to 10mm - not restricted to a pre-defined slice thickness

Customer Case Study

Guy's and St Thomas' NHS
NHS Foundation Trust

01.014.316 V1

Guy's and St Thomas' NHS Foundation Trust is made up of two of London's oldest and most well-known teaching hospitals, both having a long history dating back almost 900 years. Both hospitals have been at the forefront of clinical care, innovation and education since they were established.

The Trust serves some of the most diverse communities in the UK where more than 130 languages are spoken. As well as providing a full range of hospital services for local communities and specialist services including cancer, cardiothoracic, kidney and children's care, St Thomas' operates one of London's busiest A&E departments, and collectively Guy's and St Thomas' operates the largest critical care service in the UK.

What were the trust's requirements?

With both fixation and processing of tissue significantly affecting the viability of tissue sections for tinctorial & immunocytochemical investigations, Guy's and St Thomas' were looking for a tool that guaranteed the consistent and accurate sampling of tissue at histological cut up.

In the whitepaper co-written by Dr. Guy Orchard*: 'Development of new and accurate measurement devices (TruSlice and TruSlice Digital) for use in histological dissection: an attempt to improve specimen dissection precision', five key factors were identified to ensure good surgical grossing technique. These included a flat, uniformly perpendicular specimen cutting face, appropriate immobilisation of the tissue specimen during grossing, good visualisation of the cutting tissue face, sharp cutting knives, and the grossing knife action.

Maintaining consistency across all these variables is complex and subjective. Therefore, Guy's and St Thomas' were also seeking a reliable and robust instrument that delivered on these 5 factors.

How did CellPath help?

Working in collaboration with Dr. Guy Orchard, CellPath designed and developed the TruSlice and TruSlice Digital Cut Up Systems.

Both devices were predominantly made of steel, with the main difference between the two being that TruSlice has the calibrations set by defined colour coded cut inserts, whilst the TruSlice Digital device has an adjustable moving digital guide of accuracy to meet UKAS calibration requirements.

The aim of the design was to create an accurate and precise dissection instrument that is robust, consistent in performance, easy to use and maintain, and easily calibrated to meet ISO 15189 standards for certification - all key requirements needed by Guys' and St Thomas'.

Following an initial testing phase by the NHS Trust, both systems demonstrated high levels of accuracy and precision, enabling tissue slices to be produced in a uniformly perpendicular fashion to within 2mm in thickness and enabled consistency and reproducibility of performance across a series of tissue types.

As a result, the TruSlice Cut Up Systems have now been incorporated into the Trust's histological dissection process, with the aim of rolling it out across a number of different departments.

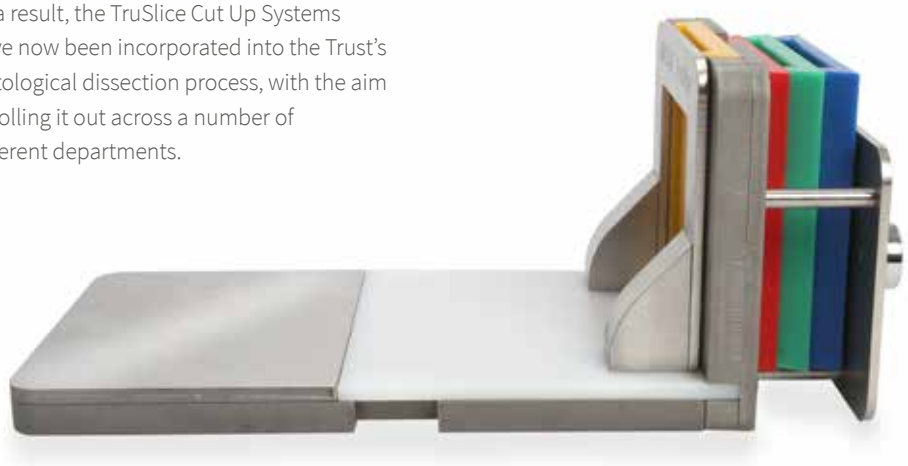
Would you recommend the TruSlice Cut Up Systems?

"As standards of laboratory proficiency and accreditation grow in complexity, the requirements to prove measurement accuracy remains a pressing issue. As TruSlice is ISO 15189 compliant, it enables this process to be proven through its consistent and accurate slicing, and will play an increasing role in anatomical grossing procedures at the Trust.

I would definitely recommend other laboratories look into the use of the TruSlice system."

**Dr. Guy Orchard completed his Fellowship to the Institute of Biomedical Science in Cellular Pathology in 1990, having gained the highest pass in the UK across all disciplines, and was awarded the RJ Lavington Prize.*

He completed an MSc with distinction in immunology at Surrey University in 1993 and PhD with the University of Westminster in 2011. He has worked at the St. John's Institute of Dermatology based at the trust for over 25 years, and received chartered scientist recognition in 2005.



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