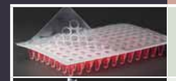
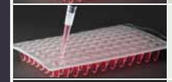
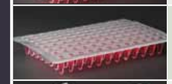
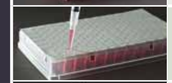
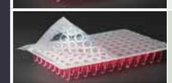
iST Heat Sealing application guide

	Product Description	Appearance	Solvent resistance	Temp Range °C	Gas Permeable	Peelable/ Pierceable	Plates Types	PCR Temp & Dwell Time	Application
	**ClearASeal Peel** Clear Peelable film with moderate solvent resistance	Transparent Film	moderate	-80 to 80	No	Peelable	PP, PE, PS, COC	180°C 2 secs	qPCR, short term compound storage
	**ClearASeal Pierce** Clear pierceable film with moderate solvent resistance	Transparent Film	moderate	-80 to 80, or 110 with pressurised PCR heated lids	No	pierceable	PP, PE, PS, COC	175°C 2 secs	Recommended for use with Abi 3730 PCR sequencer
	**ClearASeal Weld** Clear strong bond heat seal for water bath PCR	Transparent Film	Good, DMSO	-80 to 110	No	No	PP	175°C 2 secs	Optically clear, ideal for water bath PCR, use with DMSO & hazardous materials
	PeelASeal Foil Peelable foil for PP plates	Foil (white laminate)	moderate	-80 to 110	N0	peelable	PP	175°C 2 secs	PCR, good liquid barrier, low temp short term compound storage, can be re-sealed
	PeelASeal DMSO Foil DMSO Resisitant Foil Peel Seal	Foil	Excellent	-80 to 80	No	peelable	PP	175°C 2 secs	Compound storage at low & ambient temperature, with DMSO 7 other solvents
	PierceASeal Foil Pierceable foil seal with good solvent resisitance	Foil with green dashed line	Good, DMSO	-20 to 120	No	pierceable	PP, PS	175°C 2 secs	PCR, compound storage, sample shipping, can be sealed over exisiting seal
	**PierceASeal Foil PS** High grade pierceable peelable foil seal with good solvent resisitance	Foil with solid green line	Good, DMSO	-20 to 110	No	pierceable, peelable to PS plates	PP, PS	175°C 2 secs	PCR, low temp compound storage, short term ambient temp storage, can be re-applied.
	ThermASeal Foil Strong bonding foil to PP for water thermal cyclers	Foil	Good, DMSO	-20 to 110	No	peelable	PP	175°C 2 secs	PCR, ideal for water bath thermo cyclers, long term compound storage for hazardous materials
	PeelASeal Black Foil Peelable low flourescence foil for light sensitive	Black Foil	Good, DMSO	-20 to 80	No	peelable	PP, PS	175°C 2 secs	Ideal for light sensitive or flourescent applications
	Gas PermASeal non-woven gas permeable peelable, for cell culture	Non-woven cream	None	-20 to 80	Yes, impervious to fluids	pierceable peelable	PP, PS	160°C 2 secs	Short term incubation, agriculture & seed storage, cell culture, for use in autoclaves
	**ClearASeal Perf** Clear perforated gas permeable film for cell & seed culture	Transparent Film, perforated	moderate	-80 to 80	Yes	peelable	PP, PE, PS, COC	175°C 2 secs	Short term incubation, seed & insect storage, cell culture, can be resealed for transport

iST Heat Sealing product codes

Sealing equipment
KBS Wasp, Chameleon, Kube, Flexiseal, ThermoALPS300/3000, REMP Portrait (78mm)
Agilent VII PlateLoc, REMP Landscape (115mm)
KBS EFLY², Kseal, 4s2

PeelASeal Foil

Key	Pack	Size	Product code
	1 Std LabRoll	610m x 78mm	**iST -104 -078LR**
	1 Sterile LabRoll	610m x 78mm	**iST -104 -078SR**
	1 VII Std LabRoll	500m x 115mm	**iST -104 -115LR**
	1 Sterile VII LabRoll	500m x 115mm	**iST -104 -115SR**
	100 Std LabSheets	125mm x 78mm	**iST-104-078LS**
	100 Sterile Labsheets	125mm x 78mm	**iST-104-078SS**
	1 Trial Roll 78mm wide	5m x 78mm	**iST-104-078TR**
	1 Trial Roll 115mm wide	5m x 115mm	**iST-104-115TR**
	5 Trial Sheets	125mm x 78mm	**iST-104-078TS**

ThermASeal Foil

Key	Pack	Size	Product code
	1 Std LabRoll	500m x 78mm	**iST -108 -078LR**
	1 Sterile LabRoll	500m x 78mm	**iST -108 -078SR**
	1 VII Std LabRoll	350m x115mm	**iST -108 -115LR**
	1 Sterile VII LabRoll	350m x115mm	**iST -108 -115SR**
	100 Std LabSheets	125mm x 78mm	**iST-108-078LS**
	100 Sterile Labsheets	125mm x 78mm	**iST-108-078SS**
	Trial Roll 78mm wide	5m x 78mm	**iST-108-078TR**
	Trial Roll 115mm wide	5m x 115mm	**iST-108-115TR**
	Trial Sheets	125mm x 78mm	**iST-108-078TS**

ClearASeal Peel

Key	Pack	Size	Product code
	1 Std LabRoll	500m x 78mm	**iST- 101-078LR**
	1 Sterile LabRoll	500m x 78mm	**iST- 101-078SR**
	1 VII Std LabRoll	350m x 115mm	**iST- 101-115LR**
	1 Sterile VII LabRoll	350m x 115mm	**iST- 101-115SR**
	100 Std LabSheets	125mm x 78mm	**iST- 101-078LS**
	100 Sterile Labsheets	125mm x 78mm	**iST- 101-078SS**
	Trial Roll 78mm wide	5m x 78mm	**iST- 101-078TR**
	Trial Roll 115mm wide	5m x 115mm	**iST- 101-115TR**
	Trial Sheets	125mm x 78mm	**iST- 101-078TS**

PeelASeal DMSO Foil

Key	Pack	Size	Product code
	1 Std LabRoll	500m x 78mm	**iST- 105-078LR**
	1 Sterile LabRoll	500m x 78mm	**iST- 105-078SR**
	1 VII Std LabRoll	350m x 115mm	**iST- 105-115LR**
	1 Sterile VII LabRoll	350m x 115mm	**iST- 105-115SR**
	100 Std LabSheets	125mm x 78mm	**iST- 105-078LS**
	100 Sterile Labsheets	125mm x 78mm	**iST- 105-078SS**
	Trial Roll 78mm wide	5m x 78mm	**iST- 105-078TR**
	Trial Roll 115mm wide	5m x 115mm	**iST- 105-115TR**
	Trial Sheets	125mm x 78mm	**iST- 105-078TS**

PeelASeal Black Foil

Key	Pack	Size	Product code
	1 Std LabRoll	500m x 78mm	**iST -108 -078LR**
	1 Sterile LabRoll	500m x 78mm	**iST -108 -078SR**
	1 VII Std LabRoll	350m x 115mm	**iST -108 -115LR**
	1 Sterile VII LabRoll	350m x 115mm	**iST -108 -115SR**
	100 Std LabSheets	125mm x 78mm	**iST-108-078LS**
	100 Sterile Labsheets	125mm x 78mm	**iST-108-078SS**
	Trial Roll 78mm wide	5m x 78mm	**iST-108-078TR**
	Trial Roll 115mm wide	5m x 115mm	**iST-108-115TR**
	Trial Sheets	125mm x 78mm	**iST-108-078TS**

ClearASeal Pierce

Key	Pack	Size	Product code
	1 Std LabRoll	610m x 78mm	**iST -103 -078LR**
	1 Sterile LabRoll	610m x 78mm	**iST -103 -078SR**
	1 VII Std LabRoll	500m x 115mm	**iST -103 -115LR**
	1 Sterile VII LabRoll	500m x 115mm	**iST -103 -115SR**
	100 Std LabSheets	125mm x 78mm	**iST-103-078LS**
	100 Sterile Labsheets	125mm x 78mm	**iST-103-078SS**
	Trial Roll 78mm wide	5m x 78mm	**iST-103-078TR**
	Trial Roll 115mm wide	5m x 115mm	**iST-103-115TR**
	Trial Sheets	125mm x 78mm	**iST-103-078TS**

PierceASeal Foil

Key	Pack	Size	Product code
	1 Std LabRoll	610m x 78mm	**iST- 106-078LR**
	1 Sterile LabRoll	610m x 78mm	**iST- 106-078SR**
	1 VII Std LabRoll	500m x 115mm	**iST- 106-115LR**
	1 Sterile VII LabRoll	500m x 115mm	**iST- 106-115SR**
	100 Std LabSheets	125mm x 78mm	**iST- 106-078LS**
	100 Sterile Labsheets	125mm x 78mm	**iST- 106-078SS**
	1 Trial Roll 78mm wide	5m x 78mm	**iST- 106-078TR**
	1 Trial Roll 115mm wide	5m x 115mm	**iST- 106-115TR**
	5 Trial Sheets	125mm x 78mm	**iST- 106-078TS**

Gas PermASeal

Key	Pack	Size	Product code
	1 Std LabRoll	200m x 78mm	**iST -110 -078LR**
	1 Sterile LabRoll	200m x 78mm	**iST -110 -078SR**
	1 VII Std LabRoll	200m x 115mm	**iST -110 -115LR**
	1 Sterile VII LabRoll	200m x 115mm	**iST -110 -115SR**
	100 Std LabSheets	125mm x 78mm	**iST- 110- 078LS**
	100 Sterile Labsheets	125mm x 78mm	**iST- 110- 078SS**
	1 Trial Roll 78mm wide	5m x 78mm	**iST-110-078TR**
	1 Trial Roll 115mm wide	5m x 115mm	**iST-110-115TR**
	5 Trial Sheets	125mm x 78mm	**iST-110-078TS**

ClearASeal Weld

Key	Pack	Size	Product code
	1 Std LabRoll	610m x 78mm	**iST -102 -078LR**
	1 Sterile LabRoll	610m x 78mm	**iST -102 -078SR**
	1 VII Std LabRoll	500m x 115mm	**iST -102 -115LR**
	1 Sterile VII LabRoll	500m x 115mm	**iST -102 -115SR**
	100 Std LabSheets	125mm x 78mm	**iST -102 -078LS**
	100 Sterile Labsheets	125mm x 78mm	**iST -102 -078SS**
	Trial Roll 78mm wide	5m x 78mm	**iST-102-078TR**
	Trial Roll 115mm wide	5m x 115mm	**iST-102-115TR**
	Trial Sheets	125mm x 78mm	**iST-102-078TS**

PierceASeal Foil PS

Key	Pack	Size	Product code
	1 Std LabRoll	610m x 78mm	**iST- 107-078LR**
	1 Sterile LabRoll	610m x 78mm	**iST- 107-078SR**
	1 VII Std LabRoll	500m x 115mm	**iST- 107-115LR**
	1 Sterile VII LabRoll	500m x 115mm	**iST- 107-115SR**
	100 Std LabSheets	125mm x 78mm	**iST- 107-078LS**
	100 Sterile Labsheets	125mm x 78mm	**iST- 107-078SS**
	1 Trial Roll 78mm wide	5m x 78mm	**iST- 107-078TR**
	1 Trial Roll 115mm wide	5m x 115mm	**iST- 107-115TR**
	5 Trial Sheets	125mm x 78mm	**iST- 107-078TS**

ClearASeal Perf

Key	Pack	Size	Product code
	1 Std LabRoll	610m x 78mm	**iST -111 -078LR**
	1 Sterile LabRoll	610m x 78mm	**iST -111 -078SR**
	1 VII Std LabRoll	500m x 115mm	**iST -111 -115LR**
	1 Sterile VII LabRoll	500m x 115mm	**iST -111 -115SR**
	100 Std LabSheets	125mm x 78mm	**iST- 111- 078LS**
	100 Sterile Labsheets	125mm x 78mm	**iST- 111- 078SS**
	1 Trial Roll 78mm wide	5m x 78mm	**iST-111-078TR**
	1 Trial Roll 115mm wide	5m x 115mm	**iST-111-115TR**
	5 Trial Sheets	125mm x 78mm	**iST-111-078TS**