



Excel Scientific offers a full product range to meet the specific needs of research and testing laboratories, biotech and pharmaceutical companies as well as diagnostic providers.

### Choose your sealing films and foils for these applications:

#### PCR & qPCR

ThermalSeal® films effectively minimize evaporation during thermal cycling and storage. Seals are engineered and produced to be RNase, DNase, DNA, & PCR inhibitor free. High optical clarity designs are available for qPCR.

#### ELISA, general incubation, & general storage

SealPlate® films for sensitive ELISA, EIA and similar assays minimize evaporation and edge effects, and preserve sample isolation.

#### Cell & Tissue Culture

AeraSeal™ films optimize cell & tissue culture providing uniform gas exchange across plates, enabling oxygen and moisture to permeate the sealing film while segregating each sample.

#### Cold & Long-Term Storage

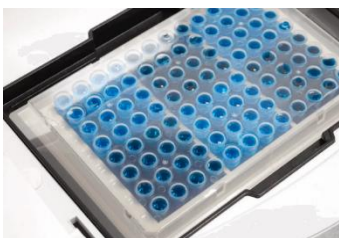
Alumaseal® foils offer RNase and DNase free sealing solutions that maintain seal integrity at temperature extremes from -80°C to 120°C. Harsh chemical resistant options are available.

#### Auto-Sampling

A pre-cut "X" over each well of our X-Pierce™ films, creates flaps for easy sample access. The adhesive free zone of ZoneFree™ film pierces easily without risk of adhesive fouling.

#### Specialty Films

AbsorbMax™ film absorbs light, protecting light sensitive samples and reducing stray light in fluorescence assays. BrightMax™ light reflecting film maximizes the signal intensity for luminescence assays.





**Product Name**      **Excel Catalog Number**      **Functional Temp Range**

			Product Attribute										Application					Material Construction							
			Non-Skirted/Raised Rim	Flat-Top	Dual Component (Polycarbonate / Polypropylene)	PCR & Tube Strip/Strip Wells / Single Plate Row	Sterile	DNase- & RNase-Free	Chemically Resistant	Percapable	Optically Clear	Transparent	Light Blocking	Breathable	PCR	qPCR	Short-Term Storage / Incubation / ELISA	Long-Term Storage	Cell / Tissue / Bacterial Culture	Protein Crystallography	HPLC	Fluorescence / Luminescence	Sonication	Film/Foil Thickness	Adhesive Thickness
AeraSeal™	B-100	-20°C to +80°C	●				●		●				●						●					Rayon / Acrylic 5.5mil / 139.7µm	Acrylic
AeraSeal™, Sterile	BS-25	-20°C to +80°C	●			●			●				●						●					Rayon / Acrylic 5.5mil / 139.7µm	Acrylic
SealMate™ AeraSeal™ Kit	SM-KIT-B	-20°C to +80°C	●						●				●						●					Rayon / Acrylic 5.5mil / 139.7µm	Acrylic
SealMate™ AeraSeal™ Rolls	RSMB-2	-20°C to +80°C	●						●				●						●					Rayon / Acrylic 5.5mil / 139.7µm	Acrylic
SealMate™ AeraSeal™ Kit, Sterile	SM-KIT-BS	-20°C to +80°C	●				●		●				●						●					Rayon / Acrylic 5.5mil / 139.7µm	Acrylic
SealMate™ AeraSeal™ Rolls, Sterile	RSMB-2-S	-20°C to +80°C	●				●		●				●						●					Rayon / Acrylic 5.5mil / 139.7µm	Acrylic
eXTReme™ Seal	XTR-100	-20°C to +120°C	●					●					●											Polyester 2.0mil/50.8µm	Acrylic 1.65mil/41.9µm
eXTReme™ Seal, Large	XTR-LG-100	-20°C to +120°C	●					●					●											Polyester 2.0mil/50.8µm	Acrylic 1.65mil/41.9µm
eXTReme™ 2 Seal	XTR2-100	-20°C to +120°C	●					●					●											Polyester 2.0mil/50.8µm	Acrylic 1.65mil/41.9µm
eXTReme™ 2 Seal, Large	XTR2-LG-100	-20°C to +120°C	●					●					●											Polyester 2.0mil/50.8µm	Acrylic 1.65mil/41.9µm
ThermalSeal® A™	TSA-100	-40°C to +120°C	●																					Polyester 2.0mil/50.8µm	Acrylic 1.65mil/41.9µm
ThermalSeal® 2™	TS2-100	-40°C to +120°C	●																					Polyester 2.0mil/50.8µm	Acrylic 1.65mil/41.9µm
ThermalSeal®	100-THER-PLT	-40°C to +120°C																						Polypropylene 2.0mil/50.8µm	Acrylic 0.95mil/24.1µm
ThermalSeal®, Sterile	STR-THER-PLT	-40°C to +120°C	●																					Polypropylene 2.0mil/50.8µm	Acrylic 0.95mil/24.1µm
EZcap™ 1x8 PCR FilmStrips™	US-CS1X8-400	-20°C to +120°C	●			●																		Polyester 2.0mil/50.8µm	Acrylic 1.65mil/41.9µm
ThermalSeal® 2x8 MiniStrips™	TS-2X8-50	-40°C to +120°C																						Polypropylene 2.0mil/50.8µm	Acrylic 0.95mil/24.1µm
ThermalSeal® RTS™	TSS-RTQ-25	-80°C to +105°C	●					●																Polyolefin 2.0mil/50.8µm	Silicone 2.0mil/50.8µm
ThermalSeal® RTS™	TSS-RTQ-100	-80°C to +105°C	●					●																Polyolefin 2.0mil/50.8µm	Silicone 2.0mil/50.8µm
ThermalSeal® RTS™, Sterile	TSS-RTQS-50	-80°C to +105°C	●					●																Polyolefin 2.0mil/50.8µm	Silicone 2.0mil/50.8µm
ThermalSeal® RT2RR™	TS-RT2RR-100	-40°C to +120°C	●					●																Polyester 2.0mil/50.8µm	Acrylic 1.15mil/29.2µm
ThermalSeal® RT2™	TS-RT2-100	-40°C to +120°C	●			●																		Polyester 2.0mil/50.8µm	Acrylic 1.15mil/29.2µm
X-Pierce™	XP-100	-40°C to +90°C	●						●															Vinyl 3.5mil/88.9µm	Acrylic 0.7mil/17.8µm
X-Pierce™, Sterile	XPS-25	-40°C to +90°C	●						●															Vinyl 3.5mil/88.9µm	Acrylic 0.7mil/17.8µm
Zone-Free™	ZAF-PE-50	-40°C to +90°C	●						●															Polyethylene 2.75mil/69.9µm	Acrylic 1.05mil/26.7µm
AbsorbMax™	BK-50	-40°C to +80°C	●																					Vinyl 8.0mil/203.2µm	Acrylic 1.45mil/36.8µm
BrightMax™	WT-50	-40°C to +80°C	●																					Vinyl 8.0mil/203.2µm	Acrylic 1.45mil/36.8µm
FoilSeal™	F2-100	-20°C to +120°C	●																					Aluminum Foil 2.0mil/50.8µm	Acrylic 1.45mil/36.8µm



Product Name	Excel Catalog Number	Functional Temp Range	Product Attribute										Application						Material Construction					
			Non-Skirted/Raised Rim	Flat-Top	Dual Component (Polycarbonate / Polypropylene)	PCR & Tube Strip/Strip Wells / Single Plate Row	Sterile	DNase- & RNase-Free	Chemically Resistant	Percleable	Optically Clear	Transparent	Light Blocking	Breathable	PCR	qPCR	Short-Term Storage / Incubation / ELISA	Long-Term Storage	Cell / Tissue / Bacterial Culture	Protein Crystallography	HPLC	Fluorescence / Luminescence / Sonication	Film / Foil Thickness	Adhesive Thickness
FoilSeal™, Sterile	F2S-50	-20°C to +120°C	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	Aluminum Foil 2.0mil / 50.8µm	Acrylic 1.45mil / 36.8µm
FoilSeal™ RollMate™	F2-RL-500	-20°C to +120°C	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	Aluminum Foil 2.0mil / 50.8µm	Acrylic 1.45mil / 36.8µm
EZcap™ 1x8 PCR FoilStrips™	F2-CS1X8-300	-20°C to +120°C	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	Aluminum Foil 2.0mil / 50.8µm	Acrylic 1.45mil / 36.8µm
AlumaSeal® II™	AF-100	-80°C to +120°C	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	Aluminum Foil 1.4mil / 35.6µm	Acrylic 1.1mil / 27.9µm
AlumaSeal® II™, Sterile	AFS-25	-80°C to +120°C	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	Aluminum Foil 1.4mil / 35.6µm	Acrylic 1.1mil / 27.9µm
AlumaSeal® 96™	F-96-100	-80°C to +120°C	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	Aluminum Foil 1.5mil / 38.1µm	Acrylic 1.48mil / 37.6µm
AlumaSeal® 384™	F-384-100	-80°C to +120°C	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	Aluminum Foil 1.5mil / 38.1µm	Acrylic 1.48mil / 37.6µm
AlumaSeal® CS	FC-100	-80°C to +120°C	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	Aluminum Foil 2.0mil / 50.8µm	Acrylic 2.0mil / 50.8µm
AlumaSeal® CS, Sterile	FCS-25	-80°C to +120°C	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	Aluminum Foil 2.0mil / 50.8µm	Acrylic 2.0mil / 50.8µm
eXTreme™ FoilSeal™	XTR-FOIL-100	-80°C to +120°C	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	Aluminum Foil 1.9mil / 48.3µm	Acrylic 1.2mil / 30.5µm
eXTreme™ FoilSeal™, Large	XTR-FOILG-100	-80°C to +120°C	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	Aluminum Foil 1.9mil / 48.3µm	Acrylic 1.2mil / 30.5µm
SealPlate® RollMate™	SP2-RL-500	-40°C to +120°C	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	Polyester 2.0mil / 50.8µm	Acrylic 1.05mil / 26.7µm
SealPlate®	100-SEAL-PLT	-40°C to +120°C	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	Polyester 2.0mil / 50.8µm	Acrylic 1.05mil / 26.7µm
SealPlate®, Sterile	STR-SEAL-PLT	-40°C to +120°C	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	Polyester 2.0mil / 50.8µm	Acrylic 1.05mil / 26.7µm
SealPlate® 2x8 MiniStrips™	SP-2X8-50	-40°C to +120°C	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	Polyester 2.0mil / 50.8µm	Acrylic 1.05mil / 26.7µm
SealPlate® 2x8 MiniStrips™, Sterile	SPS-2X8-50	-40°C to +120°C	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	Polyester 2.0mil / 50.8µm	Acrylic 1.05mil / 26.7µm
SealPlate® ColorTab™, Assorted	SP-IDA-10	-40°C to +120°C	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	Polyester 2.0mil / 50.8µm	Acrylic 1.05mil / 26.7µm
SealPlate® ColorTab™, Blue	SP-IDB-100	-40°C to +120°C	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	Polyester 2.0mil / 50.8µm	Acrylic 1.05mil / 26.7µm
SealPlate® ColorTab™, Green	SP-IDG-100	-40°C to +120°C	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	Polyester 2.0mil / 50.8µm	Acrylic 1.05mil / 26.7µm
SealPlate® ColorTab™, Lavender	SP-IDL-100	-40°C to +120°C	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	Polyester 2.0mil / 50.8µm	Acrylic 1.05mil / 26.7µm
SealPlate® ColorTab™, Orange	SP-IDO-100	-40°C to +120°C	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	Polyester 2.0mil / 50.8µm	Acrylic 1.05mil / 26.7µm
SealPlate® ColorTab™, Red	SP-IDR-100	-40°C to +120°C	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	Polyester 2.0mil / 50.8µm	Acrylic 1.05mil / 26.7µm
SealMate™ SealPlate® Kit	SM-KIT-SP	-40°C to +120°C	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	Polyester 1.5mil / 38.1µm	Acrylic 1.05mil / 26.7µm
SealMate™ SealPlate® Rolls	RMSMP-2	-40°C to +120°C	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	Polyester 1.5mil / 38.1µm	Acrylic 1.05mil / 26.7µm
SealMate™ SealPlate® Kit, Sterile	SM-KIT-SPS	-40°C to +120°C	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	Polyester 1.5mil / 38.1µm	Acrylic 1.05mil / 26.7µm
SealMate™ SealPlate® Rolls, Sterile	RMSMP-2-S	-40°C to +120°C	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	Polyester 1.5mil / 38.1µm	Acrylic 1.05mil / 26.7µm
TiterSeal™	TTS-100	-40°C to +120°C	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	Polyester 2.0mil / 50.8µm	Acrylic 1.05mil / 26.7µm

Product Name	Excel Catalog Number	Functional Temp Range	Product Attribute										Application					Material Construction							
			Non-Skirted/Raised Rim	Flat-Top	Dual Component (Polycarbonate / Polypropylene)	PCR & Tube Strip/Strip Wells/Single Plate Row	Sterile	DNase- & RNase-Free	Chemically Resistant	Perceable	Optically Clear	Transparent	Light Blocking	Breathable	PCR	qPCR	Short-Term Storage / ELISA Incubation / ELISA	Long-Term Storage	Cell / Tissue / Bacterial Culture	Protein Crystallography	HPLC	Fluorescence / Luminescence	Sonication	Film/Foil Thickness	Adhesive Thickness
ThinSeal™	100-THIN-PLT	-40°C to +120°C	●																					Polyester 1.0mil / 25.4µm	Acrylic 0.95mil / 24.1µm
ThinSeal™, Sterile	STR-THIN-PLT	-40°C to +120°C	●			●																		Polyester 1.0mil / 25.4µm	Acrylic 0.95mil / 24.1µm
General Purpose Film	GP-PP-100	-40°C to +120°C	●					●																Polypropylene 2.0mil / 50.8µm	Acrylic 1.0mil / 25.4µm
General Purpose Film, Sterile	GPS-PP-100	-40°C to +120°C	●					●																Polypropylene 2.0mil / 50.8µm	Acrylic 1.0mil / 25.4µm
1x8 MiniStrips™	GP-CS1X8-400	-40°C to +120°C	●				●																	Polypropylene 2.0mil / 50.8µm	Acrylic 0.95mil / 24.1µm
1x8 MiniStrips™, Sterile	GPS-CS1X8-400	-40°C to +120°C	●				●																	Polypropylene 2.0mil / 50.8µm	Acrylic 0.95mil / 24.1µm
ValueSeal™	SP-VS-100	-40°C to +120°C	●											●										Polyester 2.0mil / 50.8µm	Acrylic 1.05mil / 26.7µm
AdvanceSeal™ Heat Seal	HS-FPL-100	+4°C to +94°C	●																					Multilayer Foil Laminate 2.50 mil / 63.5µm	Heat Activated Adhesive 1.05 mil / 26.67µm

Interested in testing?

Ask for your free sample at [info@bioconcept.ch](mailto:info@bioconcept.ch)