

# Adhesive Seal Comparison Table

	PCR Seal	Q-Stick™ for qPCR	qPCR Seal	PCR Foil Seal	Piercable Film	Gas Permeable Seal	Gas Permeable Moisture Barrier Seal	Air-O-Seal	Peelable Solvent Resistant Foil	Microplate Seal	Double Skin Breathable Film	InterSeal
	p77	p77	p78	p78	p79	p79	p80	p80	p81	p81	p82	p82
Application	PCR	qPCR, fluorescence. 96-well microplates only	qPCR & other fluorescent applications	PCR & sample storage	Sample application or retrieval. 96-well plates only.	Cell & bacterial culture	Eukaryotic cell culture, bacterial culture and long-term live assays.	Bacterial or cell culture	Microplate sealing containing solvents incl. DMSO	Aqueous sample storage	Bacteria culture	Diagnostic kit production
Special Properties	Good optical clarity	Discreet optical windows for 96-well plates	Good optical clarity	Irregular tearing when pierced prevents formation of vacuum	Pre-cut with cross which reduces tip or probe becoming clogged	Gas permeable providing barrier to bacteria & other solid contaminants	Gas permeable that allows air and CO2 exchange, but prevents moisture evaporation.	Air-O-Seal has a much lower moisture transfer rate than our Gas Permeable Adhesive Seal (4ti-0515) and is suitable for bacterial or cell culture.	High solvent resistance	Medium strength transparent seal	Thin gas permeable, moisture barrier seal. Allows air and CO2 exchange but prevents evaporation.	2 sealing surfaces Optical windows
Min Temp	-20°C	-20°C	-80°C	-40°C	-80°C	-20°C	-20°C	-20°C	-20°C	-20°C	0°C	-20°C
Max Temp	110°C	110°C	110°C	120°C	110°C	80°C	80°C	30°C	80°C	80°C	40°C	110°C
Sterile							•	•				
Piercable				•	•	•	•				•	
Peelable	•	•	•	•	•	•	•	•	•	•	•	•
RNase / Dnase free	•	•	•	•	•	•	•	•	•	•	•	•
Measurements (mm)*	135mm x 80mm	133mm x 76mm	140mm x 77mm	130mm x 80mm	135mm x 77mm	135mm x 80mm	137mm x 77mm	135mm x 80mm	122mm x 80mm	130mm x 80mm	135mm x 83mm	148mm x 98mm
100 sheets	4ti-0500	4ti-0565	4ti-0560	4ti-0550	4ti-0566	4ti-0515	4ti-0516	4ti-0517	4ti-0512	4ti-0510	4ti-0518	4ti-0519