

Supplementary Table 2. The detail of properties of SCL products used in this study

Name(Japan)	Plano T®	Breath-O®	Plano B4®	Acuvue®	AIR OPTIX® EX AQUA	Medalist® plus
Name(USA)	Plano T Therapeutic®	(launched only in Japan)	B4®	Acuvue®	AIR OPTIX® Focus NIGHT&DAY®	See Quence 2®
Manufacturer	BAUSCH +LOMB Ireland, Ltd.	TORAY Industries Inc.	BAUSCH +LOMB Ireland, Ltd.	Johnson&Johnson Vision Care, Inc.	Alcon Inc.	BAUSCH +LOMB Ireland, Ltd.
Classification	hydrogel	hydrogel	hydrogel	hydrogel	Silicone hydrogel	hydrogel
Material	polymacon (Poly-HEMA)	(unclear)	polymacon (Poly-HEMA)	etafilcon A	lotrafilcon A	polymacon (Poly-HEMA)
Polymer	HEMA	vinyl pyrrolidone +methyl methacrylate polymer	HEMA	HEMA+MAA	DMA+TRIS+siloxane macromer	2-HEMA
Food and Drug Administration (FDA) classification	I	II	I	IV	I	I
Water content (%)	38.6	78	38.6	58	24	38.6
Base Curve (mm)	8.14	7.8/8.1/8.4/8.7	8.9	8.4/8.8/9.1	8.4/8.6	8.7
Diameter (mm)	14.7	13.5	14.5	14.0/14.4	13.8	14.0
Center Thickness (mm)	0.18 (-3.0D)	0.6(+15.0D)	0.12 (-3.0D)	0.07 (-3.0D)/0.15 (+2.0D)	0.08 (-3.0D)	0.038 (-3.0D)
Dk ($\times 10^{-11}$)(cm^2/sec)($\text{mLO}_2/\text{mL}\times\text{mmHg}$)	9.5	64	9.5	28	140	9.5
Method of manufacture	Spincast	Cast Molding	Spincast	Stabilized Soft Molding	Cast Molding	Reverse process III
Sales in Japan (launch~discontinuation)	from Jan/1975 to Dec/1997	Aug/1981- ongoing	from Jan/1982 to Nov/2010	from Oct/1991 to Jul/2016	Oct/2004- ongoing	Nov/2010- ongoing

HEMA: 2-hydroxymethyl methacrylate; MAA: methacrylic acid; DMA: N,N-dimethylacrylamide, TRIS: trimethyl siloxysilyl; FDA: Food and Drug Administration

SCLs were introduced to treatment at the discretion of the treating doctor and were replaced aseptically with a lid-opener, on a monthly basis at our clinic, by the attending ophthalmologist.