

SELECTION GUIDE – Precast Gel and Buffer Kits for DNA Analysis on Flatbed Systems

GenePhor

Application	Optimal size range (resolution)	Product	Key Feature	Components	Gel size (mm)	Gel Matrix/ Buffer	Sample Wells/ Vol (µl)
SSCP RAPD VNTR	50–500 bp (6–8 bp)	GeneGel Excel 12.5/24	Ready to use	5 GeneGel Excel 12.5/24 gels 12 ready to use electrode wicks 1 manual	122×110×0.5	T/C=12.5/2 Tris/HAc, Tris/tricine	24/6
SSCP VNTR DDRT	30–300 bp (5–7 bp)	GeneGel Clean 15/24	Standard or custom buffer systems	5 GeneGel Clean 15/24 gels 1 Standard analysis buffer 12 buffer strips 1 manual	122×110×0.5	T/C=15/2 Tris/phos, Tris/borate	24/6
STR DDRT	40–250 bp (2–4 bp)	GeneGel HyRes Starter Kit	Highest resolution DNA analysis on flatbed systems (native and denaturing)	3 GeneGel HyRes Native gels 2 GeneGel HyRes Denaturing gels 2 GeneGel HyRes buffers 40 GeneGel standard electrode wicks 1 manual	Native 130×110×0.65 Denaturing: 115×110×0.43	Native: T/C=10/high Tris/phos Denaturing: T/C=8/3 Tris/borate	24/4
SSCP	50–500 bp (6–10 bp)	GeneGel SSCP Starter Kit	The first easy, systematic approach to SSCP analysis	5 GeneGel SSCP gels 1 GeneGel Clean 15/24 gel 3 Buffer systems (A, B, C)* 50 GeneGel special electrode wicks 1 manual	130×110×0.43	T/C=10/low (A, B, C)*	24/6

Multiphor II

SSCP RAPD VNTR	50–500 bp (6–8 bp)	ExcelGel DNA Analysis Kit	Ready to use (large sample numbers)	5 ExcelGel gels 12 electrode wicks 1 manual	250×110×0.5	T/C=12.5/2 Tris/HAc, Tris/tricine	48/5–7
SSCP RAPD VNTR DDRT	60–500 bp (5–7 bp)	CleanGel DNA Analysis Kit	Standard or custom buffer systems (large sample numbers)	5 CleanGel gels Fragment Analysis Buffer 12 CleanGel standard electrode wicks	250×110×0.5	T/C=10/2 Tris/phos, Tris/borate	48/5–7

* Three separate and proprietary gel rehydration and electrode buffer systems included with each Starter Kit.