

Materials List for:

Parallel High Throughput Single Molecule Kinetic Assay for Site-Specific DNA Cleavage

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Materials

Name	Company	Catalog Number	Comments
5 minute Epoxy	Devcon	14250	
anti-digoxigenin FAB fragments	Roche Diagnostics	11214667001	
camera and software	Jenoptik	GRYPHAX SUBRA	
data analysis software	Vernier Inc.	LP	
double sided tape	Grace Biolabs	SA-S-1L	
Dulbeccos Phosphate Buffered Saline	Corning	21-031-CV	
ethanol 95%	VWR	89370-082	
forward primer: digoxigenin-CCAACTTAATCGCCTTGC	Integrated DNA Technologies	n/a	
image analysis software	National Institutes of Health	ImageJ	
inverted microscope	Nikon	TE2000	
knife printer	Silhouette		
M13mp18 DNA	New England Biolabs	N4040S	
MyOne streptavidin beads	Thermo Fisher Scientific	65601	
NdeI enzyme	New England Biolabs	R0111S	
PCR cleanup kit	Qiagen	28104	
pluronic F-127	Anatrace	P305	
polyethylene tubing PE-20	BD Intramedic	427406	
polyethylene tubing PE-60	BD Intramedic	427416	
Q5 Mastermix	New England Biolabs	M0492S	
rare earth magnet 0.5" OD 0.25" ID	National Imports	NSN0814	
rare earth magnet 0.75" OD 0.5" ID	National Imports	NSN0615	
reverse primer: biotin-TGACCATAGATACATTCGC	Integrated DNA Technologies	n/a	
syringe pump	Kent Scientific	Genie Plus	
β-Casein from bovine Milk	Sigma-Aldrich	C6905	