

Materials List for:

A High Throughput Screen for Biomining Cellulase Activity from Metagenomic Libraries

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Materials

Name	Company	Catalog Number	Comments
qPix2	Genetix		With 384-pin gridding head
qFill3	Genetix		With 384-well manifold
Varioskan	Thermo Fisher Scientific, Inc.		
RapidStak	Thermo Fisher Scientific, Inc.		Connected to Varioskan
Micro90 Detergent	Cole-Parmer	18100-00	Diluted to 2% in water
Ethanol	Major Lab Supplier		Diluted to 80% in water
Chloramphenicol	Sigma-Aldrich	C0378	12.5mg/mL in ethanol
LB broth, Miller	Fisher Scientific	BP1426-2	25g/L, autoclaved
384-well flat bottom plates	Corning	3680	
L-(+)-Arabinose	Sigma-Aldrich	A3256	100mg/mL in water
Potassium Acetate	Fisher Scientific	P171	50mM in water, autoclaved, adjusted to pH 5.5 with HCl
Triton X-100	Fisher Scientific	BP151	
Trizma hydrochloride	Sigma-Aldrich	T3253	In TE buffer solution, 100mM
EDTA disodium salt	Sigma-Aldrich	E5134	In TE buffer solution, 10mM
2,4-dinitrophenyl cellobioside			Provided by Dr. Steve Withers, UBC
Dimethyl Sulfoxide	Sigma-Aldrich	D8418	