

Materials List for:

Large-scale screens of metagenomic libraries

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Materials

Name	Type	Company	Catalog Number	Comments
AlkPhos Direct Labelling Reagents	kit	Amersham	RPN3680	Contains labeling reagent, cross-linker solution, reaction buffer, water, control DNA, hybridization buffer, blocking reagent. Store hybridization buffer and blocking reagent at room temperature, other reagents at 2-8°C.
ECF Substrate	kit	Amersham	RPN3685	Contains ECF substrate, ECF substrate dilution buffer. Note: Pack contains total 60 ml reagent; aliquot into 10 ml samples in Falcon tube and store at 20°C. Use about 10 ml per membrane (size of 22 by 22 cm).
20x Secondary Wash Buffer	buffer			121 g Tris(final 1 M), 117 g NaCl(final 2 M). Adjust pH to 10. Adjust to 1 L with water. Store at 2-8°C for up to 4 months.
0.5 M NaH ₂ PO ₄ buffer pH 7	buffer			69 g NaH ₂ PO ₄ ·H ₂ O. Adjust pH to 7 with NaOH. Adjust to 1 L with water. Store at room temperature.
1 M MgCl ₂				50.8 g MgCl ₂ ·6H ₂ O Adjust to 250 ml with water. Store at room temperature.
10% (w/v) SDS				20 g SDS Adjust to 200 ml with water. Store at room temperature
Combination pack RPN3692 = RPN3680 + RPN3685				