

Materials List for:

Reverse Yeast Two-hybrid System to Identify Mammalian Nuclear Receptor Residues that Interact with Ligands and/or Antagonists

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Materials

Name	Company	Catalog Number	Comments
Yeast Strain CTY10-5d <i>erg3Δ/erg11Δ</i>	Our lab		CTY10-5d yeast was double knocked out <i>ERG3</i> and <i>ERG11</i> (<i>erg3Δ/erg11Δ</i>) genes ⁶ .
YPD Growth Medium	BD Biosciences	630409	
Difco Yeast Nitrogen Base (YNB) w/o Amino Acids and Ammonium Sulfate	BD Biosciences	233520	
Bacto Agar	BD Biosciences	214010	
CSM-His/-Leu Complete Supplement Mixture	MP Biomedicals	4250-412	
ONPG (o-Nitrophenyl B-D-Galactopyranoside).	Sigma-Aldrich	N1127	
2-Mercaptoethanol	Sigma-Aldrich	M6250	
Luria Broth (LB)	Sigma-Aldrich	L3022	
X-Gal	Fisher	BP-1615	
Sonicated Salmon Sperm DNA boiled (10 mg/ml)	Life Technology	156-017	
Ampicillin	Acros Organics	61177	
Ketoconazole	Sigma-Aldrich	K1003	
N,N-Dimethylformamide	Acros Organics	326871000	
Lithium Acetate	Sigma-Aldrich	L4158	
50% PEG-3350 solution, filter-sterilized	Sigma-Aldrich	P-3640	
Nitrocellulose Membrane	Whatman	10402091	
10 cm Petri Dish	Fisher	875712	
5'-ACCGGATCCCGATGAAGA AGGAGATGATCATGTCC-3'	our lab		PXR LBD forward primer for pSH2-1
5'-AGAGTCGACTCAGCTA CCTGTGATGCC-3'	our lab		PXR LBD reverse primer for pSH2-1
5'-TATAGC GGCCGCATGAGTG GCCTCGGGGACAGTTCATCC-3'	our lab		SRC-1 forward primer for pGADNOT
5'-GCGGTGCACTTATTCAGTCA GTAGCTG-3'	our lab		SRC-1 reverse primer for pGADNOT
Platinum PCR Supermix	Invitrogen	11306-016	
BamHI	our lab	R0136	

Sall	our lab	R0138	
Notl	our lab	R0189	