

Materials List for:

Formation of Covalent DNA Adducts by Enzymatically Activated Carcinogens and Drugs *In Vitro* and Their Determination by ³²P-postlabeling

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Materials

Name	Company	Catalog Number	Comments
Tris	Sigma-Aldrich	252859	
Potassium chloride	Sigma-Aldrich	P9541	
Sodium acetate	Sigma-Aldrich	S2889	
Phenol	Roth	0032.8	
Phenol/Chloroform/Isoamylalcohol	Roth	A156.1	
Ethanol	Penta	70390-11000	
Calf thymus DNA	Sigma-Aldrich	D4522	
NADH	Sigma-Aldrich	N7004	
NADP ⁺	Sigma-Aldrich	N5755	
NADPH	Sigma-Aldrich	N7505	
D-glucose 6-phosphate	Sigma-Aldrich	7647001	
D-glucose 6-phosphate dehydrogenase	Sigma-Aldrich	G6378	
Supersomes	Corning Gentest	456211, 456203, 456220, 456204, 456210, 456222, 456219, 456212, 456206, 456207, 456202	
Human liver microsomes	Corning Gentest	452172	
Tween 20	Sigma-Aldrich	P1379	
Hypoxanthine	Sigma-Aldrich	77662	
2-Hydroxypyrimidine	Sigma-Aldrich	H56800	
Ethyl acetate	Sigma-Aldrich	437549	
Diethyl ether	Sigma-Aldrich	179272	
Micrococcal nuclease from <i>Staphylococcus aureus</i>	Sigma-Aldrich	N3755	
Spleen phosphodiesterase from calf spleen, Type II	Calbiochem	524711	
Nuclease P1 from <i>Penicillium citrinum</i>	Sigma-Aldrich	N8630	
Bicine	Sigma-Aldrich	163791	
DL-Dithiothreitol	Sigma-Aldrich	D0632	
Spermidine	Sigma-Aldrich	S2626	
Tetrabutylammonium chloride	Sigma-Aldrich	86870	
n-Butanol	Sigma-Aldrich	437603	
T4-polynucleotide kinase	USB Corp	70031Y	
[γ- ³² P]ATP	Hartman Analytic GmbH	FP-201	

PEI-impregnated cellulose TLC plates	Macherey-Nagel	801053	
Packard Instant Imager A202400	Packard	G120337	
Ellipticine	Sigma-Aldrich	285730	
3-Nitrobenzanthrone	prepared (synthesized) as shown in ref. 40		