

QuickPick™ DNA kits

Sample materials



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Summary of sample materials and yields with QuickPick™ DNA kits

Kit	Sample type	Sample amount	Typical yield	Purity	
QuickPick™ gDNA	Human whole blood	5 µl	0,1 – 0,5 µg	≥ 1,8	
	Human whole blood	50 µl	0,7 - 3 µg	≥ 1,8	
	Buffy coat	5 µl	0,5 - 1 µg	≥ 1,8	
	Buffy coat	40 µl	2,5 - 5 µg	≥ 1,8	
	Leukocytes	0.5 x 10 ⁶ cells	Up to 2,5 µg	≥ 1,8	
	Leukocytes	1.5 x 10 ⁶ cells	Up to 6 µg	≥ 1,8	
	Cultured U937 cells	0,5 x 10 ⁶ cells	Up to 2 µg	≥ 1,8	
	Cultured U937 cells	1,0 x 10 ⁶ cells	Up to 3,5 µg	≥ 1,8	
	Mouse liver tissue	3 mg	10 µg	≥ 1,8	
	Chicken whole blood	5 µl	4,4 µg	≥ 1,8	
	Chicken whole blood	50 µl	42 µg	≥ 1,8	
	Chicken feather	1 feather	0,4 µg	≥ 1,8	
	Chicken feather	2 feathers (from 1 day old chick)	0,9 µg	≥ 1,8	
	Bovine whole blood	100 µl	3,6 µg	ND	
	Dried blood spots	3.2 mm blood spot	Detected through amplification		
	Saliva	50 µl	1,5 µg	≥ 1,8	
	Saliva	100 µl	2,1 µg	≥ 1,8	
	Hair	1 hair	0,4 µg	≥ 1,8	
	Hair	3 hairs	0,6 µg	≥ 1,8	
Eyebrow hair	8 hairs	0,3 – 1 µg	≥ 1,8		
Urine	4 ml	1 µg	≥ 1,8		
Urine	8 ml	1,1 µg	≥ 1,8		
QuickPick™ Plant gDNA	<i>Arabidopsis thaliana</i> , fresh leaf tissue	25 mg	3-4 µg	≥ 1,8	
	<i>Hordeum vulgare</i> , fresh leaf tissue	25 mg	3-5 µg	≥ 1,8	
Kit	<i>E.coli</i> culture amount	Plasmid	Typical yield	Purity	
QuickPick™ Plasmid DNA	1,5 ml	pBAT4	11 µg	≥ 1,8	
	1,5 ml	pBR322	2,1 µg	≥ 1,8	
	1,5 ml	pGEX4T-3	3 µg	≥ 1,8	
	1,5 ml	pET21dT	3 µg	≥ 1,8	
	1,5 ml	pT7-7	2,1 µg	≥ 1,8	