



HARTMANN ANALYTIC GmbH - Products & Services 2020

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Nucleotides labeled with P33, P32, S35

Substance	Label Pos.	Nuclide	Specific Activity	Shipping mode	Radioactive Concentration	Product Code	Product Information
Adenosine nucleotides							
AMP: [α,-P33]Adenosine 5'-monophosphate							
AMP	α , 5'-	[P33]	>3000 Ci/mmol (111 TBq/mmol)	cooled, clear	10 mCi/ml (370 MBq/ml)	FF-217	Purified by HPLC, Radiochemical purity >90%. Plexiglas, Screw-cap vial / Securitainer. Other concentrations on request. Synthesized upon order.
					20 mCi/ml (740 MBq/ml)	FF-217H	
				ambient, clear	10 mCi/ml (370 MBq/ml)	SCF-217	
					20 mCi/ml (740 MBq/ml)	SCF-217H	
				ambient, red	10 mCi/ml (370 MBq/ml)	SRF-217	
					20 mCi/ml (740 MBq/ml)	SRF-217H	
AMP: [α,-P32]Adenosine 5'-monophosphate							
AMP	α , 5'-	[P32]	>6000 Ci/mmol (222 TBq/mmol)	cooled, clear	10 mCi/ml (370 MBq/ml)	FP-217	Purified by HPLC, Radiochemical purity >90%. Plexiglas, Screw-cap vial / Securitainer. Other concentrations on request. Synthesized upon order.
					20 mCi/ml (740 MBq/ml)	FP-217H	
				ambient, clear	10 mCi/ml (370 MBq/ml)	SCP-217	
					20 mCi/ml (740 MBq/ml)	SCP-217H	
				ambient, red	10 mCi/ml (370 MBq/ml)	SRP-217	
					20 mCi/ml (740 MBq/ml)	SRP-217H	
ADP: [α,-P32]Adenosine 5'-diphosphate							
ADP	α , 5'-	[P32]	>6000 Ci/mmol (222 TBq/mmol)	cooled, clear	10 mCi/ml (370 MBq/ml)	FP-227	Purified by HPLC, Radiochemical purity >90%. Plexiglas, Screw-cap vial / Securitainer. Other concentrations on request. Synthesized upon order.
					20 mCi/ml (740 MBq/ml)	FP-227H	
				ambient, clear	10 mCi/ml (370 MBq/ml)	SCP-227	
					20 mCi/ml (740 MBq/ml)	SCP-227H	
				ambient, red	10 mCi/ml (370 MBq/ml)	SRP-227	
					20 mCi/ml (740 MBq/ml)	SRP-227H	
ADP: [β,-P33]Adenosine 5'-diphosphate							
ADP	β , 5'-	[P33]	>3000 Ci/mmol (111 TBq/mmol)	cooled, clear	10 mCi/ml (370 MBq/ml)	FF-227	Purified by HPLC, Radiochemical purity >90%. Plexiglas, Screw-cap vial / Securitainer. Other concentrations on request. Synthesized upon order.
					20 mCi/ml (740 MBq/ml)	FF-227H	
				ambient, clear	10 mCi/ml (370 MBq/ml)	SCF-227	
					20 mCi/ml (740 MBq/ml)	SCF-227H	
				ambient, red	10 mCi/ml (370 MBq/ml)	SRF-227	
					20 mCi/ml (740 MBq/ml)	SRF-227H	
ATP: [α,-P33]Adenosine 5'-triphosphate							
ATP	α , 5'-	[P33]	>3000 Ci/mmol (111 TBq/mmol)	cooled, clear	10 mCi/ml (370 MBq/ml)	FF-207	Purified by HPLC, Radiochemical purity >90%. Plexiglas, Screw-cap vial / Securitainer. Other concentrations on request.
					20 mCi/ml (740 MBq/ml)	FF-207H	
				ambient, clear	10 mCi/ml (370 MBq/ml)	SCF-207	
					20 mCi/ml (740 MBq/ml)	SCF-207H	
				ambient, red	10 mCi/ml (370 MBq/ml)	SRF-207	
					20 mCi/ml (740 MBq/ml)	SRF-207H	
ATP: [α,-P32]Adenosine 5'-triphosphate							
ATP	α , 5'-	[P32]	400 Ci/mmol (15 TBq/mmol)	cooled, clear	10 mCi/ml (370 MBq/ml)	FP-107	Purified by HPLC, Radiochemical purity >90%. Plexiglas, Screw-cap vial / Securitainer. Other concentrations on request.
					20 mCi/ml (740 MBq/ml)	FP-107H	
				ambient, clear	10 mCi/ml (370 MBq/ml)	SCP-107	
					20 mCi/ml (740 MBq/ml)	SCP-107H	
				ambient, red	10 mCi/ml (370 MBq/ml)	SRP-107	
					20 mCi/ml (740 MBq/ml)	SRP-107H	
ATP	α , 5'-	[P32]	800 Ci/mmol (30 TBq/mmol)	cooled, clear	10 mCi/ml (370 MBq/ml)	FP-807	Purified by HPLC, Radiochemical purity >90%. Plexiglas, Screw-cap vial / Securitainer. Other concentrations on request.
					20 mCi/ml (740 MBq/ml)	FP-807H	
				ambient, clear	10 mCi/ml (370 MBq/ml)	SCP-807	
					20 mCi/ml (740 MBq/ml)	SCP-807H	
				ambient, red	10 mCi/ml (370 MBq/ml)	SRP-807	
					20 mCi/ml (740 MBq/ml)	SRP-807H	

Nucleotides labeled with P33, P32, S35 - continued

Substance	Label Pos.	Nuclide	Specific Activity	Shipping mode	Radioactive Concentration	Product Code	Product Information
ATP	α , 5'	[P32]	3000 Ci/mmol (111 TBq/mmol)	cooled, clear	10 mCi/ml (370 MBq/ml)	FP-207	Purified by HPLC, Radiochemical purity >90%. Plexiglas, Screw-cap vial / Securitainer. Other concentrations on request.
					20 mCi/ml (740 MBq/ml)	FP-207H	
				ambient, clear	10 mCi/ml (370 MBq/ml)	SCP-207	
					20 mCi/ml (740 MBq/ml)	SCP-207H	
				ambient, red	10 mCi/ml (370 MBq/ml)	SRP-207	
					20 mCi/ml (740 MBq/ml)	SRP-207H	
ATP	α , 5'	[P32]	5000 Ci/mmol (185 TBq/mmol)	cooled, clear	10 mCi/ml (370 MBq/ml)	FP-307	Purified by HPLC, Radiochemical purity >90%. Plexiglas, Screw-cap vial / Securitainer. Other concentrations on request.
					20 mCi/ml (740 MBq/ml)	FP-307H	
				ambient, clear	10 mCi/ml (370 MBq/ml)	SCP-307	
					20 mCi/ml (740 MBq/ml)	SCP-307H	
				ambient, red	10 mCi/ml (370 MBq/ml)	SRP-307	
					20 mCi/ml (740 MBq/ml)	SRP-307H	
ATP	α , 5'	[P32]	>6000 Ci/mmol (222 TBq/mmol)	cooled, clear	10 mCi/ml (370 MBq/ml)	FP-407	Purified by HPLC, Radiochemical purity >90%. Plexiglas, Screw-cap vial / Securitainer. Other concentrations on request.
					20 mCi/ml (740 MBq/ml)	FP-407H	
				ambient, clear	10 mCi/ml (370 MBq/ml)	SCP-407	
					20 mCi/ml (740 MBq/ml)	SCP-407H	
				ambient, red	10 mCi/ml (370 MBq/ml)	SRP-407	
					20 mCi/ml (740 MBq/ml)	SRP-407H	
ATP: [β,-P33]Adenosine 5'-triphosphate							
ATP	β , 5'	[P33]	>3000 Ci/mmol (111 TBq/mmol)	cooled, clear	10 mCi/ml (370 MBq/ml)	FF-327	Purified by HPLC, Radiochemical purity >90%. Plexiglas, Screw-cap vial / Securitainer. Other concentrations on request. Synthesized upon order.
					20 mCi/ml (740 MBq/ml)	FF-327H	
				ambient, clear	10 mCi/ml (370 MBq/ml)	SCF-327	
					20 mCi/ml (740 MBq/ml)	SCF-327H	
				ambient, red	10 mCi/ml (370 MBq/ml)	SRF-327	
					20 mCi/ml (740 MBq/ml)	SRF-327H	
ATP: [γ,-P33]Adenosine 5'-triphosphate							
ATP	γ , 5'	[P33]	>3000 Ci/mmol (111 TBq/mmol)	cooled, clear	10 mCi/ml (370 MBq/ml)	FF-301	Purified by HPLC, Radiochemical purity >90%. Plexiglas, Screw-cap vial / Securitainer. Other concentrations on request.
					20 mCi/ml (740 MBq/ml)	FF-301H	
				ambient, clear	10 mCi/ml (370 MBq/ml)	SCF-301	
					20 mCi/ml (740 MBq/ml)	SCF-301H	
				ambient, red	10 mCi/ml (370 MBq/ml)	SRF-301	
					20 mCi/ml (740 MBq/ml)	SRF-301H	
ATP: [γ,-P32]Adenosine 5'-triphosphate							
ATP	γ , 5'	[P32]	400 Ci/mmol (15 TBq/mmol)	cooled, clear	10 mCi/ml (370 MBq/ml)	FP-201	Purified by HPLC, Radiochemical purity >90%. Plexiglas, Screw-cap vial / Securitainer. Other concentrations on request.
					20 mCi/ml (740 MBq/ml)	FP-201H	
				ambient, clear	10 mCi/ml (370 MBq/ml)	SCP-201	
					20 mCi/ml (740 MBq/ml)	SCP-201H	
				ambient, red	10 mCi/ml (370 MBq/ml)	SRP-201	
					20 mCi/ml (740 MBq/ml)	SRP-201H	
ATP	γ , 5'	[P32]	800 Ci/mmol (30TBq/mmol)	cooled, clear	10 mCi/ml (370 MBq/ml)	FP-801	Purified by HPLC, Radiochemical purity >90%. Plexiglas, Screw-cap vial / Securitainer. Other concentrations on request.
					20 mCi/ml (740 MBq/ml)	FP-801H	
				ambient, clear	10 mCi/ml (370 MBq/ml)	SCP-801	
					20 mCi/ml (740 MBq/ml)	SCP-801H	
				ambient, red	10 mCi/ml (370 MBq/ml)	SRP-801	
					20 mCi/ml (740 MBq/ml)	SRP-801H	

Nucleotides labeled with P33, P32, S35 - continued

Substance	Label Pos.	Nuclide	Specific Activity	Shipping mode	Radioactive Concentration	Product Code	Product Information
ATP	γ, 5'-	[P32]	3000 Ci/mmol (111 TBq/mmol)	cooled, clear	10 mCi/ml (370 MBq/ml)	FP-301	Purified by HPLC, Radiochemical purity >90%. Plexiglas, Screw-cap vial / Securitainer. Other concentrations on request.
					10 mCi/ml (370 MBq/ml)	FP-301T	
					20 mCi/ml (740 MBq/ml)	FP-301H	
				ambient, clear	5 mCi/ml (185 MBq/ml)	SCP-301L	
					10 mCi/ml (370 MBq/ml)	SCP-301	
					20 mCi/ml (740 MBq/ml)	SCP-301H	
ATP	γ, 5'-	[P32]	5000 Ci/mmol (185 TBq/mmol)	cooled, clear	10 mCi/ml (370 MBq/ml)	FP-401	Purified by HPLC, Radiochemical purity >90%. Plexiglas, Screw-cap vial / Securitainer. Other concentrations on request.
					20 mCi/ml (740 MBq/ml)	FP-401H	
				ambient, clear	10 mCi/ml (370 MBq/ml)	SCP-401	
					20 mCi/ml (740 MBq/ml)	SCP-401H	
				ambient, red	5 mCi/ml (185 MBq/ml)	SRP-401LT	
					10 mCi/ml (370 MBq/ml)	SRP-401	
ATP	γ, 5'-	[P32]	>6000 Ci/mmol (222 TBq/mmol)	cooled, clear	10 mCi/ml (370 MBq/ml)	FP-501	Purified by HPLC, Radiochemical purity >90%. Plexiglas, Screw-cap vial / Securitainer. Other concentrations on request.
					20 mCi/ml (740 MBq/ml)	FP-501H	
				ambient, clear	10 mCi/ml (370 MBq/ml)	SCP-501	
					20 mCi/ml (740 MBq/ml)	SCP-501H	
				ambient, red	10 mCi/ml (370 MBq/ml)	SRP-501	
					20 mCi/ml (740 MBq/ml)	SRP-501H	
ATP-γ-S: [γ,-S35]Adenosine 5'-thiotriphosphate							
ATP-γ-S	γ, 5'-	[S35]	>1000 Ci/mmol (37 TBq/mmol)	cooled, clear	10 mCi/ml (370 MBq/ml)	KS-301	Radiochemical purity >90%. Plexiglas, Screw-cap vial / Securitainer.
					20 mCi/ml (740 MBq/ml)	KS-301H	
				ambient, clear	10 mCi/ml (370 MBq/ml)	SCS-301	
					20 mCi/ml (740 MBq/ml)	SCS-301H	
				ambient, red	10 mCi/ml (370 MBq/ml)	SRS-301	
					20 mCi/ml (740 MBq/ml)	SRS-301H	

Nucleotides labeled with P33, P32, S35 - continued

Substance	Label Pos.	Nuclide	Specific Activity	Shipping mode	Radioactive Concentration	Product Code	Product Information
Cytidine nucleotides							
CMP: [α,-P33]Cytidine 5'-monophosphate							
CMP	α , 5'-	[P33]	>3000 Ci/mmol (111 TBq/mmol)	cooled, clear	10 mCi/ml (370 MBq/ml)	FF-219	Purified by HPLC, Radiochemical purity >90%. Plexiglas, Screw-cap vial / Securitainer. Other concentrations on request. Synthesized upon order.
					20 mCi/ml (740 MBq/ml)	FF-219H	
				ambient, clear	10 mCi/ml (370 MBq/ml)	SCF-219	
					20 mCi/ml (740 MBq/ml)	SCF-219H	
				ambient, red	10 mCi/ml (370 MBq/ml)	SRF-219	
					20 mCi/ml (740 MBq/ml)	SRF-219H	
CMP: [α,-P32]Cytidine 5'-monophosphate							
CMP	α , 5'-	[P32]	>6000 Ci/mmol (222 TBq/mmol)	cooled, clear	10 mCi/ml (370 MBq/ml)	FP-219	Purified by HPLC, Radiochemical purity >90%. Plexiglas, Screw-cap vial / Securitainer. Other concentrations on request. Synthesized upon order.
					20 mCi/ml (740 MBq/ml)	FP-219H	
				ambient, clear	10 mCi/ml (370 MBq/ml)	SCP-219	
					20 mCi/ml (740 MBq/ml)	SCP-219H	
				ambient, red	10 mCi/ml (370 MBq/ml)	SRP-219	
					20 mCi/ml (740 MBq/ml)	SRP-219H	
CTP: [α,-P33]Cytidine 5'-triphosphate							
CTP	α , 5'-	[P33]	>3000 Ci/mmol (111 TBq/mmol)	cooled, clear	10 mCi/ml (370 MBq/ml)	FF-209	Purified by HPLC, Radiochemical purity >90%. Plexiglas, Screw-cap vial / Securitainer. Other concentrations on request.
					20 mCi/ml (740 MBq/ml)	FF-209H	
				ambient, clear	10 mCi/ml (370 MBq/ml)	SCF-209	
					20 mCi/ml (740 MBq/ml)	SCF-209H	
				ambient, red	lyophilized	SCF-209LY	
					10 mCi/ml (370 MBq/ml)	SRF-209	
20 mCi/ml (740 MBq/ml)	SRF-209H						
CTP: [α,-P32]Cytidine 5'-triphosphate							
CTP	α , 5'-	[P32]	400 Ci/mmol (15TBq/mmol)	cooled, clear	10 mCi/ml (370 MBq/ml)	FP-109	Purified by HPLC, Radiochemical purity >90%. Plexiglas, Screw-cap vial / Securitainer. Other concentrations on request.
					20 mCi/ml (740 MBq/ml)	FP-109H	
				ambient, clear	10 mCi/ml (370 MBq/ml)	SCP-109	
					20 mCi/ml (740 MBq/ml)	SCP-109H	
				ambient, red	10 mCi/ml (370 MBq/ml)	SRP-109	
					20 mCi/ml (740 MBq/ml)	SRP-109H	
CTP	α , 5'-	[P32]	800 Ci/mmol (30TBq/mmol)	cooled, clear	10 mCi/ml (370 MBq/ml)	FP-809	Purified by HPLC, Radiochemical purity >90%. Plexiglas, Screw-cap vial / Securitainer. Other concentrations on request.
					20 mCi/ml (740 MBq/ml)	FP-809H	
				ambient, clear	10 mCi/ml (370 MBq/ml)	SCP-809	
					20 mCi/ml (740 MBq/ml)	SCP-809H	
				ambient, red	10 mCi/ml (370 MBq/ml)	SRP-809	
					20 mCi/ml (740 MBq/ml)	SRP-809H	
CTP	α , 5'-	[P32]	3000 Ci/mmol (111 TBq/mmol)	cooled, clear	10 mCi/ml (370 MBq/ml)	FP-209	Purified by HPLC, Radiochemical purity >90%. Plexiglas, Screw-cap vial / Securitainer. Other concentrations on request.
					20 mCi/ml (740 MBq/ml)	FP-209H	
				ambient, clear	10 mCi/ml (370 MBq/ml)	SCP-209	
					20 mCi/ml (740 MBq/ml)	SCP-209H	
				ambient, red	10 mCi/ml (370 MBq/ml)	SRP-209	
					20 mCi/ml (740 MBq/ml)	SRP-209H	
CTP	α , 5'-	[P32]	5000 Ci/mmol (185 TBq/mmol)	cooled, clear	10 mCi/ml (370 MBq/ml)	FP-309	Purified by HPLC, Radiochemical purity >90%. Plexiglas, Screw-cap vial / Securitainer. Other concentrations on request.
					20 mCi/ml (740 MBq/ml)	FP-309H	
				ambient, clear	10 mCi/ml (370 MBq/ml)	SCP-309	
					20 mCi/ml (740 MBq/ml)	SCP-309H	
				ambient, red	10 mCi/ml (370 MBq/ml)	SRP-309	
					20 mCi/ml (740 MBq/ml)	SRP-309H	

Nucleotides labeled with P33, P32, S35 - continued

Substance	Label Pos.	Nuclide	Specific Activity	Shipping mode	Radioactive Concentration	Product Code	Product Information
CTP	α , 5'-	[P32]	>6000 Ci/mmol (222 TBq/mmol)	cooled, clear	10 mCi/ml (370 MBq/ml)	FP-409	Purified by HPLC, Radiochemical purity >90%. Plexiglas, Screw-cap vial / Securitainer. Other concentrations on request.
					20 mCi/ml (740 MBq/ml)	FP-409H	
				ambient, clear	10 mCi/ml (370 MBq/ml)	SCP-409	
					20 mCi/ml (740 MBq/ml)	SCP-409H	
				ambient, red	10 mCi/ml (370 MBq/ml)	SRP-409	
					20 mCi/ml (740 MBq/ml)	SRP-409H	
CTP-α-S: [α,³⁵S]Cytidine 5'-thiotriphosphate							
CTP- α -S	α , 5'-	[S35]	1000 Ci/mmol (37 TBq/mmol)	cooled, clear	10 mCi/ml (370 MBq/ml)	KS-209	Radiochemical purity >95% Plexiglas Screw-cap vial / Securitainer
				ambient, clear	10 mCi/ml (370 MBq/ml)	SCS-209	
				ambient, red	10 mCi/ml (370 MBq/ml)	SRS-209	
pCp: [5'-P32] Cytidine 3', 5'-bisphosphate							
pCp	α , 5'-	[P32]	>6000 Ci/mmol (222 TBq/mmol)	cooled, clear	10 mCi/ml (370 MBq/ml)	FP-111	Purified by HPLC, Radiochemical purity >90%. Plexiglas, Screw-cap vial / Securitainer. Other concentrations on request.
					20 mCi/ml (740 MBq/ml)	FP-111H	
				ambient, clear	10 mCi/ml (370 MBq/ml)	SCP-111	
					20 mCi/ml (740 MBq/ml)	SCP-111H	
				ambient, red	10 mCi/ml (370 MBq/ml)	SRP-111	
					20 mCi/ml (740 MBq/ml)	SRP-111H	

Nucleotides labeled with P33, P32, S35 - continued

Substance	Label Pos.	Nuclide	Specific Activity	Shipping mode	Radioactive Concentration	Product Code	Product Information
GMP: [α,-P33]Guanosine 5'-monophosphate							
GMP	α , 5'-	[P33]	>3000 Ci/mmol (111 TBq/mmol)	cooled, clear	10 mCi/ml (370 MBq/ml)	FF-218	Purified by HPLC, Radiochemical purity >90%. Plexiglas, Screw-cap vial / Securitainer. Other concentrations on request. Synthesized upon order.
					20 mCi/ml (740 MBq/ml)	FF-218H	
				ambient, clear	10 mCi/ml (370 MBq/ml)	SCF-218	
					20 mCi/ml (740 MBq/ml)	SCF-218H	
				ambient, red	10 mCi/ml (370 MBq/ml)	SRF-218	
					20 mCi/ml (740 MBq/ml)	SRF-218H	
GMP: [α,-P32]Guanosine 5'-monophosphate							
GMP	α , 5'-	[P32]	>6000 Ci/mmol (222 TBq/mmol)	cooled, clear	10 mCi/ml (370 MBq/ml)	FP-218	Purified by HPLC, Radiochemical purity >90%. Plexiglas, Screw-cap vial / Securitainer. Other concentrations on request. Synthesized upon order.
					20 mCi/ml (740 MBq/ml)	FP-218H	
				ambient, clear	10 mCi/ml (370 MBq/ml)	SCP-218	
					20 mCi/ml (740 MBq/ml)	SCP-218H	
				ambient, red	10 mCi/ml (370 MBq/ml)	SRP-218	
					20 mCi/ml (740 MBq/ml)	SRP-218H	
GTP: [α,-P33]Guanosine 5'-triphosphate							
GTP	α , 5'-	[P33]	>3000 Ci/mmol (111 TBq/mmol)	cooled, clear	10 mCi/ml (370 MBq/ml)	FF-208	Purified by HPLC, Radiochemical purity >90%. Plexiglas, Screw-cap vial / Securitainer. Other concentrations on request.
					20 mCi/ml (740 MBq/ml)	FF-208H	
				ambient, clear	10 mCi/ml (370 MBq/ml)	SCF-208	
					20 mCi/ml (740 MBq/ml)	SCF-208H	
				ambient, red	10 mCi/ml (370 MBq/ml)	SRF-208	
					20 mCi/ml (740 MBq/ml)	SRF-208H	
GTP: [α,-P32]Guanosine 5'-triphosphate							
GTP	α , 5'-	[P32]	400 Ci/mmol (15TBq/mmol)	cooled, clear	10 mCi/ml (370 MBq/ml)	FP-108	Purified by HPLC, Radiochemical purity >90%. Plexiglas, Screw-cap vial / Securitainer. Other concentrations on request.
					20 mCi/ml (740 MBq/ml)	FP-108H	
				ambient, clear	10 mCi/ml (370 MBq/ml)	SCP-108	
					20 mCi/ml (740 MBq/ml)	SCP-108H	
				ambient, red	10 mCi/ml (370 MBq/ml)	SRP-108	
					20 mCi/ml (740 MBq/ml)	SRP-108H	
GTP	α , 5'-	[P32]	800 Ci/mmol (30TBq/mmol)	cooled, clear	10 mCi/ml (370 MBq/ml)	FP-808	Purified by HPLC, Radiochemical purity >90%. Plexiglas, Screw-cap vial / Securitainer. Other concentrations on request.
					20 mCi/ml (740 MBq/ml)	FP-808H	
				ambient, clear	10 mCi/ml (370 MBq/ml)	SCP-808	
					20 mCi/ml (740 MBq/ml)	SCP-808H	
				ambient, red	10 mCi/ml (370 MBq/ml)	SRP-808	
					20 mCi/ml (740 MBq/ml)	SRP-808H	
GTP	α , 5'-	[P32]	3000 Ci/mmol (111 TBq/mmol)	cooled, clear	10 mCi/ml (370 MBq/ml)	FP-208	Purified by HPLC, Radiochemical purity >90%. Plexiglas, Screw-cap vial / Securitainer. Other concentrations on request.
					20 mCi/ml (740 MBq/ml)	FP-208H	
				ambient, clear	10 mCi/ml (370 MBq/ml)	SCP-208	
					20 mCi/ml (740 MBq/ml)	SCP-208H	
				ambient, red	10 mCi/ml (370 MBq/ml)	SRP-208	
					20 mCi/ml (740 MBq/ml)	SRP-208H	
GTP	α , 5'-	[P32]	5000 Ci/mmol (185 TBq/mmol)	cooled, clear	10 mCi/ml (370 MBq/ml)	FP-308	Purified by HPLC, Radiochemical purity >90%. Plexiglas, Screw-cap vial / Securitainer. Other concentrations on request.
					20 mCi/ml (740 MBq/ml)	FP-308H	
				ambient, clear	10 mCi/ml (370 MBq/ml)	SCP-308	
					20 mCi/ml (740 MBq/ml)	SCP-308H	
				ambient, red	10 mCi/ml (370 MBq/ml)	SRP-308	
					20 mCi/ml (740 MBq/ml)	SRP-308H	

Nucleotides labeled with P33, P32, S35 - continued

Substance	Label Pos.	Nuclide	Specific Activity	Shipping mode	Radioactive Concentration	Product Code	Product Information
GTP	α, 5'-	[P32]	>6000 Ci/mmol (222 TBq/mmol)	cooled, clear	10 mCi/ml (370 MBq/ml)	FP-408	Purified by HPLC, Radiochemical purity >90%. Plexiglas, Screw-cap vial / Securitainer. Other concentrations on request.
					20 mCi/ml (740 MBq/ml)	FP-408H	
				ambient, clear	10 mCi/ml (370 MBq/ml)	SCP-408	
					20 mCi/ml (740 MBq/ml)	SCP-408H	
				ambient, red	10 mCi/ml (370 MBq/ml)	SRP-408	
					20 mCi/ml (740 MBq/ml)	SRP-408H	
GTP: [γ,-P33]Guanosine 5'-triphosphate							
GTP	γ, 5'-	[P33]	>3000 Ci/mmol (111 TBq/mmol)	cooled, clear	10 mCi/ml (370 MBq/ml)	FF-302	Purified by HPLC, Radiochemical purity >90%. Plexiglas, Screw-cap vial / Securitainer. Other concentrations on request.
					20 mCi/ml (740 MBq/ml)	FF-302H	
				ambient, clear	10 mCi/ml (370 MBq/ml)	SCF-302	
					20 mCi/ml (740 MBq/ml)	SCF-302H	
				ambient, red	10 mCi/ml (370 MBq/ml)	SRF-302	
					20 mCi/ml (740 MBq/ml)	SRF-302H	
GTP: [γ,-P32]Guanosine 5'-triphosphate							
GTP	γ, 5'-	[P32]	400 Ci/mmol (15TBq/mmol)	cooled, clear	10 mCi/ml (370 MBq/ml)	FP-202	Purified by HPLC, Radiochemical purity >90%. Plexiglas, Screw-cap vial / Securitainer. Other concentrations on request.
					20 mCi/ml (740 MBq/ml)	FP-202H	
				ambient, clear	10 mCi/ml (370 MBq/ml)	SCP-202	
					20 mCi/ml (740 MBq/ml)	SCP-202H	
				ambient, red	10 mCi/ml (370 MBq/ml)	SRP-202	
					20 mCi/ml (740 MBq/ml)	SRP-202H	
GTP	γ, 5'-	[P32]	800 Ci/mmol (30TBq/mmol)	cooled, clear	10 mCi/ml (370 MBq/ml)	FP-802	Purified by HPLC, Radiochemical purity >90%. Plexiglas, Screw-cap vial / Securitainer. Other concentrations on request.
					20 mCi/ml (740 MBq/ml)	FP-802H	
				ambient, clear	10 mCi/ml (370 MBq/ml)	SCP-802	
					20 mCi/ml (740 MBq/ml)	SCP-802H	
				ambient, red	10 mCi/ml (370 MBq/ml)	SRP-802	
					20 mCi/ml (740 MBq/ml)	SRP-802H	
GTP	γ, 5'-	[P32]	3000 Ci/mmol (111 TBq/mmol)	cooled, clear	10 mCi/ml (370 MBq/ml)	FP-302	Purified by HPLC, Radiochemical purity >90%. Plexiglas, Screw-cap vial / Securitainer. Other concentrations on request.
					20 mCi/ml (740 MBq/ml)	FP-302H	
				ambient, clear	10 mCi/ml (370 MBq/ml)	SCP-302	
					20 mCi/ml (740 MBq/ml)	SCP-302H	
				ambient, red	10 mCi/ml (370 MBq/ml)	SRP-302	
					20 mCi/ml (740 MBq/ml)	SRP-302H	
GTP	γ, 5'-	[P32]	5000 Ci/mmol (185 TBq/mmol)	cooled, clear	10 mCi/ml (370 MBq/ml)	FP-402	Purified by HPLC, Radiochemical purity >90%. Plexiglas, Screw-cap vial / Securitainer. Other concentrations on request.
					20 mCi/ml (740 MBq/ml)	FP-402H	
				ambient, clear	10 mCi/ml (370 MBq/ml)	SCP-402	
					20 mCi/ml (740 MBq/ml)	SCP-402H	
				ambient, red	10 mCi/ml (370 MBq/ml)	SRP-402	
					20 mCi/ml (740 MBq/ml)	SRP-402H	
GTP	γ, 5'-	[P32]	>6000 Ci/mmol (222 TBq/mmol)	cooled, clear	10 mCi/ml (370 MBq/ml)	FP-502	Purified by HPLC, Radiochemical purity >90%. Plexiglas, Screw-cap vial / Securitainer. Other concentrations on request.
					20 mCi/ml (740 MBq/ml)	FP-502H	
				ambient, clear	10 mCi/ml (370 MBq/ml)	SCP-502	
					20 mCi/ml (740 MBq/ml)	SCP-502H	
				ambient, red	10 mCi/ml (370 MBq/ml)	SRP-502	
					20 mCi/ml (740 MBq/ml)	SRP-502H	
GTP-γ-S: [γ,-S35]Adenosine 5'-thiotriphosphate							
GTP-γ-S	γ, 5'-	[S35]	1000 Ci/mmol (37 TBq/mmol)	cooled, clear	10 mCi/ml (370 MBq/ml)	KS-302	Radiochemical purity >95% Plexiglas Screw-cap vial / Securitainer
					20 mCi/ml (740 MBq/ml)	KS-302H	
				ambient, clear	10 mCi/ml (370 MBq/ml)	SCS-302	
					20 mCi/ml (740 MBq/ml)	SCS-302H	
				ambient, clear	10 mCi/ml (370 MBq/ml)	SRS-302	
					20 mCi/ml (740 MBq/ml)	SRS-302H	

Nucleotides labeled with P33, P32, S35 - continued

Substance	Label Pos.	Nuclide	Specific Activity	Shipping mode	Radioactive Concentration	Product Code	Product Information
Uridine nucleotides							
UMP: [α,-P33]Uridine 5'-monophosphate							
UMP	α , 5'-	[P33]	>3000 Ci/mmol (111 TBq/mmol)	cooled, clear	10 mCi/ml (370 MBq/ml)	FF-220	Purified by HPLC, Radiochemical purity >90%. Plexiglas, Screw-cap vial / Securitainer. Other concentrations on request. Synthesized upon order.
					20 mCi/ml (740 MBq/ml)	FF-220H	
				ambient, clear	10 mCi/ml (370 MBq/ml)	SCF-220	
					20 mCi/ml (740 MBq/ml)	SCF-220H	
				ambient, red	10 mCi/ml (370 MBq/ml)	SRF-220	
					20 mCi/ml (740 MBq/ml)	SRF-220H	
UMP: [α,-P32]Uridine 5'-monophosphate							
UMP	α , 5'-	[P32]	>6000 Ci/mmol (222 TBq/mmol)	cooled, clear	10 mCi/ml (370 MBq/ml)	FP-220	Purified by HPLC, Radiochemical purity >90%. Plexiglas, Screw-cap vial / Securitainer. Other concentrations on request. Synthesized upon order.
					20 mCi/ml (740 MBq/ml)	FP-220H	
				ambient, clear	10 mCi/ml (370 MBq/ml)	SCP-220	
					20 mCi/ml (740 MBq/ml)	SCP-220H	
				ambient, red	10 mCi/ml (370 MBq/ml)	SRP-220	
					20 mCi/ml (740 MBq/ml)	SRP-220H	
UDP: [α,-P32]Uridine 5'-diphosphate							
UDP	α , 5'-	[P32]	>6000 Ci/mmol (222 TBq/mmol)	cooled, clear	10 mCi/ml (370 MBq/ml)	FP-230	Purified by HPLC, Radiochemical purity >90%. Plexiglas, Screw-cap vial / Securitainer. Other concentrations on request. Synthesized upon order.
					20 mCi/ml (740 MBq/ml)	FP-230H	
				ambient, clear	10 mCi/ml (370 MBq/ml)	SCP-230	
					20 mCi/ml (740 MBq/ml)	SCP-230H	
				ambient, red	10 mCi/ml (370 MBq/ml)	SRP-230	
					20 mCi/ml (740 MBq/ml)	SRP-230H	
UTP: [α,-P33]Uridine 5'-triphosphate							
UTP	α , 5'-	[P33]	>3000 Ci/mmol (111 TBq/mmol)	cooled, clear	10 mCi/ml (370 MBq/ml)	FF-210	Purified by HPLC, Radiochemical purity >90%. Plexiglas, Screw-cap vial / Securitainer. Other concentrations on request.
					20 mCi/ml (740 MBq/ml)	FF-210H	
				ambient, clear	30 mCi/ml (1.11 GBq/ml)	FF-210-30	
					10 mCi/ml (370 MBq/ml)	SCF-210	
				ambient, red	20 mCi/ml (740 MBq/ml)	SCF-210H	
					10 mCi/ml (370 MBq/ml)	SRF-210	
UTP: [α,-P32]Uridine 5'-triphosphate							
UTP	α , 5'-	[P32]	400 Ci/mmol (15TBq/mmol)	cooled, clear	10 mCi/ml (370 MBq/ml)	FP-110	Purified by HPLC, Radiochemical purity >90%. Plexiglas, Screw-cap vial / Securitainer. Other concentrations on request.
					20 mCi/ml (740 MBq/ml)	FP-110H	
				ambient, clear	10 mCi/ml (370 MBq/ml)	SCP-110	
					20 mCi/ml (740 MBq/ml)	SCP-110H	
				ambient, red	10 mCi/ml (370 MBq/ml)	SRP-110	
					20 mCi/ml (740 MBq/ml)	SRP-110H	
UTP	α , 5'-	[P32]	800 Ci/mmol (30TBq/mmol)	cooled, clear	10 mCi/ml (370 MBq/ml)	FP-810	Purified by HPLC, Radiochemical purity >90%. Plexiglas, Screw-cap vial / Securitainer. Other concentrations on request.
					20 mCi/ml (740 MBq/ml)	FP-810H	
				ambient, clear	10 mCi/ml (370 MBq/ml)	SCP-810	
					20 mCi/ml (740 MBq/ml)	SCP-810H	
				ambient, red	10 mCi/ml (370 MBq/ml)	SRP-810	
					20 mCi/ml (740 MBq/ml)	SRP-810H	
UTP	α , 5'-	[P32]	3000 Ci/mmol (111 TBq/mmol)	cooled, clear	10 mCi/ml (370 MBq/ml)	FP-210	Purified by HPLC, Radiochemical purity >90%. Plexiglas, Screw-cap vial / Securitainer. Other concentrations on request.
					20 mCi/ml (740 MBq/ml)	FP-210H	
				ambient, clear	10 mCi/ml (370 MBq/ml)	SCP-210	
					20 mCi/ml (740 MBq/ml)	SCP-210H	
				ambient, red	10 mCi/ml (370 MBq/ml)	SRP-210	
					20 mCi/ml (740 MBq/ml)	SRP-210H	

Nucleotides labeled with P33, P32, S35 - continued

Substance	Label Pos.	Nuclide	Specific Activity	Shipping mode	Radioactive Concentration	Product Code	Product Information
UTP	α , 5'	[P32]	5000 Ci/mmol (185 TBq/mmol)	cooled, clear	10 mCi/ml (370 MBq/ml)	FP-310	Purified by HPLC, Radiochemical purity >90%. Plexiglas, Screw-cap vial / Securitainer. Other concentrations on request.
					20 mCi/ml (740 MBq/ml)	FP-310H	
				ambient, clear	10 mCi/ml (370 MBq/ml)	SCP-310	
					20 mCi/ml (740 MBq/ml)	SCP-310H	
				ambient, red	10 mCi/ml (370 MBq/ml)	SRP-310	
					20 mCi/ml (740 MBq/ml)	SRP-310H	
UTP	α , 5'	[P32]	>6000 Ci/mmol (222 TBq/mmol)	cooled, clear	10 mCi/ml (370 MBq/ml)	FP-410	Purified by HPLC, Radiochemical purity >90%. Plexiglas, Screw-cap vial / Securitainer. Other concentrations on request.
					20 mCi/ml (740 MBq/ml)	FP-410H	
				ambient, clear	10 mCi/ml (370 MBq/ml)	SCP-410	
					20 mCi/ml (740 MBq/ml)	SCP-410H	
					40 mCi/ml (1.48 GBq/ml)	SCP-410-40	
				ambient, red	10 mCi/ml (370 MBq/ml)	SRP-410	
					20 mCi/ml (740 MBq/ml)	SRP-410H	
				UTP-α-S: [α,-S35]Uridine 5'-thiotriphosphate			
UTP- α -S	α , 5'	[S35]	1000 Ci/mmol (37 TBq/mmol)	cooled, clear	10 mCi/ml (370 MBq/ml)	KS-210	Radiochemical purity >95% Plexiglas Screw-cap vial / Securitainer
					20 mCi/ml (740 MBq/ml)	KS-210H	
				ambient, clear	10 mCi/ml (370 MBq/ml)	SCS-210	
					20 mCi/ml (740 MBq/ml)	SCS-210H	
				ambient, red	10 mCi/ml (370 MBq/ml)	SRS-210	
					20 mCi/ml (740 MBq/ml)	SRS-210H	

Deoxynucleotides labeled with P33, P32, S35

Substance	Label Pos.	Nuclide	Specific Activity	Shipping mode	Radioactive Concentration	Product Code	Product Information
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Deoxyadenosine nucleotides

dAMP: [α ,-P33]Deoxyadenosine 5'-monophosphate							
dAMP	α , 5'-	[P33]	>3000 Ci/mmol (111 TBq/mmol)	cooled, clear	10 mCi/ml (370 MBq/ml)	FF-213	Purified by HPLC, Radiochemical purity >90%. Plexiglas, Screw-cap vial / Securitainer. Other concentrations on request. Synthesized upon order.
					20 mCi/ml (740 MBq/ml)	FF-213H	
				ambient, clear	10 mCi/ml (370 MBq/ml)	SCF-213	
					20 mCi/ml (740 MBq/ml)	SCF-213H	
				ambient, red	10 mCi/ml (370 MBq/ml)	SRF-213	
					20 mCi/ml (740 MBq/ml)	SRF-213H	
dAMP: [α ,-P32]Deoxyadenosine 5'-monophosphate							
dAMP	α , 5'-	[P32]	6000 Ci/mmol (222 TBq/mmol)	cooled, clear	10 mCi/ml (370 MBq/ml)	FP-213	Purified by HPLC, Radiochemical purity >90%. Plexiglas, Screw-cap vial / Securitainer. Other concentrations on request. Synthesized upon order.
					20 mCi/ml (740 MBq/ml)	FP-213H	
				ambient, clear	10 mCi/ml (370 MBq/ml)	SCP-213	
					20 mCi/ml (740 MBq/ml)	SCP-213H	
				ambient, red	10 mCi/ml (370 MBq/ml)	SRP-213	
					20 mCi/ml (740 MBq/ml)	SRP-213H	
dATP: [α ,-P33]Deoxyadenosine 5'-triphosphate							
dATP	α , 5'-	[P33]	>3000 Ci/mmol (111 TBq/mmol)	cooled, clear	10 mCi/ml (370 MBq/ml)	FF-203	Purified by HPLC, Radiochemical purity >90%. Plexiglas, Screw-cap vial / Securitainer. Other concentrations on request.
					20 mCi/ml (740 MBq/ml)	FF-203H	
				ambient, clear	10 mCi/ml (370 MBq/ml)	SCF-203	
					20 mCi/ml (740 MBq/ml)	SCF-203H	
				ambient, red	10 mCi/ml (370 MBq/ml)	SRF-203	
					20 mCi/ml (740 MBq/ml)	SRF-203H	
dATP: [α ,-P32]Deoxyadenosine 5'-triphosphate							
dATP	α , 5'-	[P32]	400 Ci/mmol (15TBq/mmol)	cooled, clear	10 mCi/ml (370 MBq/ml)	FP-103	Purified by HPLC, Radiochemical purity >90%. Plexiglas, Screw-cap vial / Securitainer. Other concentrations on request.
					20 mCi/ml (740 MBq/ml)	FP-103H	
				ambient, clear	10 mCi/ml (370 MBq/ml)	SCP-103	
					20 mCi/ml (740 MBq/ml)	SCP-103H	
				ambient, red	10 mCi/ml (370 MBq/ml)	SRP-103	
					20 mCi/ml (740 MBq/ml)	SRP-103H	
dATP	α , 5'-	[P32]	800 Ci/mmol (30TBq/mmol)	cooled, clear	10 mCi/ml (370 MBq/ml)	FP-803	Purified by HPLC, Radiochemical purity >90%. Plexiglas, Screw-cap vial / Securitainer. Other concentrations on request.
					20 mCi/ml (740 MBq/ml)	FP-803H	
				ambient, clear	10 mCi/ml (370 MBq/ml)	SCP-803	
					20 mCi/ml (740 MBq/ml)	SCP-803H	
				ambient, red	10 mCi/ml (370 MBq/ml)	SRP-803	
					20 mCi/ml (740 MBq/ml)	SRP-801H	
dATP	α , 5'-	[P32]	3000 Ci/mmol (111 TBq/mmol)	cooled, clear	10 mCi/ml (370 MBq/ml)	FP-203	Purified by HPLC, Radiochemical purity >90%. Plexiglas, Screw-cap vial / Securitainer. Other concentrations on request.
					20 mCi/ml (740 MBq/ml)	FP-203H	
				ambient, clear	10 mCi/ml (370 MBq/ml)	SCP-203	
					20 mCi/ml (740 MBq/ml)	SCP-203H	
				ambient, red	10 mCi/ml (370 MBq/ml)	SRP-203	
					20 mCi/ml (740 MBq/ml)	SRP-203H	
dATP	α , 5'-	[P32]	5000 Ci/mmol (185 TBq/mmol)	cooled, clear	10 mCi/ml (370 MBq/ml)	FP-303	Purified by HPLC, Radiochemical purity >90%. Plexiglas, Screw-cap vial / Securitainer. Other concentrations on request.
					20 mCi/ml (740 MBq/ml)	FP-303H	
				ambient, clear	10 mCi/ml (370 MBq/ml)	SCP-303	
					20 mCi/ml (740 MBq/ml)	SCP-303H	
				ambient, red	10 mCi/ml (370 MBq/ml)	SRP-303	
					20 mCi/ml (740 MBq/ml)	SRP-303H	
dATP	α , 5'-	[P32]	>6000 Ci/mmol (222 TBq/mmol)	cooled, clear	10 mCi/ml (370 MBq/ml)	FP-403	Purified by HPLC, Radiochemical purity >90%. Plexiglas, Screw-cap vial / Securitainer. Other concentrations on request.
					20 mCi/ml (740 MBq/ml)	FP-403H	
				ambient, clear	10 mCi/ml (370 MBq/ml)	SCP-403	
					20 mCi/ml (740 MBq/ml)	SCP-403H	
				ambient, red	10 mCi/ml (370 MBq/ml)	SRP-403	
					20 mCi/ml (740 MBq/ml)	SRP-403H	

Deoxynucleotides labeled with P33, P32, S35 - continued

Substance	Label Pos.	Nuclide	Specific Activity	Shipping mode	Radioactive Concentration	Product Code	Product Information
dATP-α-S: [α,-S35]Deoxyadenosine 5'-thiotriphosphate							
dATP- α -S	α , 5'-	[S35]	1000 Ci/mmol (37 TBq/mmol)	cooled, clear	10 mCi/ml (370 MBq/ml)	KS-203	Radiochemical purity >95% Plexiglas Screw-cap vial / Securitainer
					20 mCi/ml (740 MBq/ml)	KS-203H	
				ambient, clear	10 mCi/ml (370 MBq/ml)	SCS-203	
					20 mCi/ml (740 MBq/ml)	SCS-203H	
				ambient, red	10 mCi/ml (370 MBq/ml)	SRS-203	
					20 mCi/ml (740 MBq/ml)	SRS-203H	

Deoxynucleotides labeled with P33, P32, S35 - continued

Substance	Label Pos.	Nuclide	Specific Activity	Shipping mode	Radioactive Concentration	Product Code	Product Information
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Deoxycytidine nucleotides

dCMP: [α ,-P33]Deoxycytidine 5'-monophosphate							
dCMP	α , 5'	[P33]	>3000 Ci/mmol (111 TBq/mmol)	cooled, clear	10 mCi/ml (370 MBq/ml)	FF-215	Purified by HPLC, Radiochemical purity >90%. Plexiglas, Screw-cap vial / Securitainer. Other concentrations on request. Synthesized upon order.
					20 mCi/ml (740 MBq/ml)	FF-215H	
				ambient, clear	10 mCi/ml (370 MBq/ml)	SCF-215	
					20 mCi/ml (740 MBq/ml)	SCF-215H	
				ambient, red	10 mCi/ml (370 MBq/ml)	SRF-215	
					20 mCi/ml (740 MBq/ml)	SRF-215H	
dCMP: [α ,-P32]Deoxycytidine 5'-monophosphate							
dCMP	α , 5'	[P32]	>6000 Ci/mmol (222 TBq/mmol)	cooled, clear	10 mCi/ml (370 MBq/ml)	FP-215	Purified by HPLC, Radiochemical purity >90%. Plexiglas, Screw-cap vial / Securitainer. Other concentrations on request. Synthesized upon order.
					20 mCi/ml (740 MBq/ml)	FP-215H	
				ambient, clear	10 mCi/ml (370 MBq/ml)	SCP-215	
					20 mCi/ml (740 MBq/ml)	SCP-215H	
				ambient, red	10 mCi/ml (370 MBq/ml)	SRP-215	
					20 mCi/ml (740 MBq/ml)	SRP-215H	
dCTP: [α ,-P33]Deoxycytidine 5'-triphosphate							
dCTP	α , 5'	[P33]	>3000 Ci/mmol (111 TBq/mmol)	cooled, clear	10 mCi/ml (370 MBq/ml)	FF-205	Purified by HPLC, Radiochemical purity >90%. Plexiglas, Screw-cap vial / Securitainer. Other concentrations on request.
					20 mCi/ml (740 MBq/ml)	FF-205H	
				ambient, clear	10 mCi/ml (370 MBq/ml)	SCF-205	
					20 mCi/ml (740 MBq/ml)	SCF-205H	
				ambient, red	10 mCi/ml (370 MBq/ml)	SRF-205	
					20 mCi/ml (740 MBq/ml)	SRF-205H	
dCTP: [α ,-P32]Deoxycytidine 5'-triphosphate							
dCTP	α , 5'	[P32]	400 Ci/mmol (15TBq/mmol)	cooled, clear	10 mCi/ml (370 MBq/ml)	FP-105	Purified by HPLC, Radiochemical purity >90%. Plexiglas, Screw-cap vial / Securitainer. Other concentrations on request.
					20 mCi/ml (740 MBq/ml)	FP-105H	
				ambient, clear	10 mCi/ml (370 MBq/ml)	SCP-105	
					20 mCi/ml (740 MBq/ml)	SCP-105H	
				ambient, red	10 mCi/ml (370 MBq/ml)	SRP-105	
					20 mCi/ml (740 MBq/ml)	SRP-105H	
dCTP	α , 5'	[P32]	800 Ci/mmol (30TBq/mmol)	cooled, clear	10 mCi/ml (370 MBq/ml)	FP-805	Purified by HPLC, Radiochemical purity >90%. Plexiglas, Screw-cap vial / Securitainer. Other concentrations on request.
					20 mCi/ml (740 MBq/ml)	FP-805H	
				ambient, clear	10 mCi/ml (370 MBq/ml)	SCP-805	
					20 mCi/ml (740 MBq/ml)	SCP-805H	
				ambient, red	10 mCi/ml (370 MBq/ml)	SRP-805	
					20 mCi/ml (740 MBq/ml)	SRP-805H	
dCTP	α , 5'	[P32]	3000 Ci/mmol (111 TBq/mmol)	cooled, clear	10 mCi/ml (370 MBq/ml)	FP-205	Purified by HPLC, Radiochemical purity >90%. Plexiglas, Screw-cap vial / Securitainer. Other concentrations on request.
					20 mCi/ml (740 MBq/ml)	FP-205H	
				ambient, clear	10 mCi/ml (370 MBq/ml)	SCP-205	
					20 mCi/ml (740 MBq/ml)	SCP-205H	
				ambient, red	10 mCi/ml (370 MBq/ml)	SRP-205	
					20 mCi/ml (740 MBq/ml)	SRP-205H	
dCTP	α , 5'	[P32]	5000 Ci/mmol (185 TBq/mmol)	cooled, clear	10 mCi/ml (370 MBq/ml)	FP-305	Purified by HPLC, Radiochemical purity >90%. Plexiglas, Screw-cap vial / Securitainer. Other concentrations on request.
					20 mCi/ml (740 MBq/ml)	FP-305H	
				ambient, clear	10 mCi/ml (370 MBq/ml)	SCP-305	
					20 mCi/ml (740 MBq/ml)	SCP-305H	
				ambient, red	10 mCi/ml (370 MBq/ml)	SRP-305	
					20 mCi/ml (740 MBq/ml)	SRP-305H	

Deoxynucleotides labeled with P33, P32, S35 - continued

Substance	Label Pos.	Nuclide	Specific Activity	Shipping mode	Radioactive Concentration	Product Code	Product Information
dCTP	α, 5'-	[P32]	>6000 Ci/mmol (222 TBq/mmol)	cooled, clear	10 mCi/ml (370 MBq/ml)	FP-405	Purified by HPLC, Radiochemical purity >90%. Plexiglas, Screw-cap vial / Securitainer. Other concentrations on request.
					20 mCi/ml (740 MBq/ml)	FP-405H	
				ambient, clear	10 mCi/ml (370 MBq/ml)	SCP-405	
					20 mCi/ml (740 MBq/ml)	SCP-405H	
				ambient, red	10 mCi/ml (370 MBq/ml)	SRP-405	
					20 mCi/ml (740 MBq/ml)	SRP-405H	

Deoxynucleotides labeled with P33, P32, S35 - continued

Substance	Label Pos.	Nuclide	Specific Activity	Shipping mode	Radioactive Concentration	Product Code	Product Information
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Deoxyguanosine nucleotides

dGMP: [α ,-P33]Deoxyguanosine 5'-monophosphate							
dGMP	α , 5'-	[P33]	>3000 Ci/mmol (111 TBq/mmol)	cooled, clear	10 mCi/ml (370 MBq/ml)	FF-214	Purified by HPLC, Radiochemical purity >90%. Plexiglas, Screw-cap vial / Securitainer. Other concentrations on request. Synthesized upon order.
					20 mCi/ml (740 MBq/ml)	FF-214H	
				ambient, clear	10 mCi/ml (370 MBq/ml)	SCF-214	
					20 mCi/ml (740 MBq/ml)	SCF-214H	
				ambient, red	10 mCi/ml (370 MBq/ml)	SRF-214	
					20 mCi/ml (740 MBq/ml)	SRF-214H	
dGMP: [α ,-P32]Deoxyadenosine 5'-monophosphate							
dGMP	α , 5'-	[P32]	3000 Ci/mmol (111 TBq/mmol)	cooled, clear	10 mCi/ml (370 MBq/ml)	FP-214	Purified by HPLC, Radiochemical purity >90%. Plexiglas, Screw-cap vial / Securitainer. Other concentrations on request. Synthesized upon order.
					20 mCi/ml (740 MBq/ml)	FP-214H	
				ambient, clear	10 mCi/ml (370 MBq/ml)	SCP-214	
					20 mCi/ml (740 MBq/ml)	SCP-214H	
				ambient, red	10 mCi/ml (370 MBq/ml)	SRP-214	
					20 mCi/ml (740 MBq/ml)	SRP-214H	
dGTP: [α ,-P33]Deoxyguanosine 5'-triphosphate							
dGTP	α , 5'-	[P33]	>3000 Ci/mmol (111 TBq/mmol)	cooled, clear	10 mCi/ml (370 MBq/ml)	FF-204	Purified by HPLC, Radiochemical purity >90%. Plexiglas, Screw-cap vial / Securitainer. Other concentrations on request.
					20 mCi/ml (740 MBq/ml)	FF-204H	
				ambient, clear	10 mCi/ml (370 MBq/ml)	SCF-204	
					20 mCi/ml (740 MBq/ml)	SCF-204H	
				ambient, red	10 mCi/ml (370 MBq/ml)	SRF-204	
					20 mCi/ml (740 MBq/ml)	SRF-204H	
dGTP: [α ,-P32]Deoxyguanosine 5'-triphosphate							
dGTP	α , 5'-	[P32]	400 Ci/mmol (15TBq/mmol)	cooled, clear	10 mCi/ml (370 MBq/ml)	FP-104	Purified by HPLC, Radiochemical purity >90%. Plexiglas, Screw-cap vial / Securitainer. Other concentrations on request.
					20 mCi/ml (740 MBq/ml)	FP-104H	
				ambient, clear	10 mCi/ml (370 MBq/ml)	SCP-104	
					20 mCi/ml (740 MBq/ml)	SCP-104H	
				ambient, red	10 mCi/ml (370 MBq/ml)	SRP-104	
					20 mCi/ml (740 MBq/ml)	SRP-104H	
dGTP	α , 5'-	[P32]	800 Ci/mmol (30TBq/mmol)	cooled, clear	10 mCi/ml (370 MBq/ml)	FP-804	Purified by HPLC, Radiochemical purity >90%. Plexiglas, Screw-cap vial / Securitainer. Other concentrations on request.
					20 mCi/ml (740 MBq/ml)	FP-804H	
				ambient, clear	10 mCi/ml (370 MBq/ml)	SCP-804	
					20 mCi/ml (740 MBq/ml)	SCP-804H	
				ambient, red	10 mCi/ml (370 MBq/ml)	SRP-804	
					20 mCi/ml (740 MBq/ml)	SRP-804H	
dGTP	α , 5'-	[P32]	3000 Ci/mmol (111 TBq/mmol)	cooled, clear	10 mCi/ml (370 MBq/ml)	FP-204	Purified by HPLC, Radiochemical purity >90%. Plexiglas, Screw-cap vial / Securitainer. Other concentrations on request.
					20 mCi/ml (740 MBq/ml)	FP-204H	
				ambient, clear	10 mCi/ml (370 MBq/ml)	SCP-204	
					20 mCi/ml (740 MBq/ml)	SCP-204H	
				ambient, red	10 mCi/ml (370 MBq/ml)	SRP-204	
					20 mCi/ml (740 MBq/ml)	SRP-204H	
dGTP	α , 5'-	[P32]	5000 Ci/mmol (185 TBq/mmol)	cooled, clear	10 mCi/ml (370 MBq/ml)	FP-304	Purified by HPLC, Radiochemical purity >90%. Plexiglas, Screw-cap vial / Securitainer. Other concentrations on request.
					20 mCi/ml (740 MBq/ml)	FP-304H	
				ambient, clear	10 mCi/ml (370 MBq/ml)	SCP-304	
					20 mCi/ml (740 MBq/ml)	SCP-304H	
				ambient, red	10 mCi/ml (370 MBq/ml)	SRP-304	
					20 mCi/ml (740 MBq/ml)	SRP-304H	
dGTP	α , 5'-	[P32]	>6000 Ci/mmol (222 TBq/mmol)	cooled, clear	10 mCi/ml (370 MBq/ml)	FP-404	Purified by HPLC, Radiochemical purity >90%. Plexiglas, Screw-cap vial / Securitainer. Other concentrations on request.
					20 mCi/ml (740 MBq/ml)	FP-404H	
				ambient, clear	10 mCi/ml (370 MBq/ml)	SCP-404	
					20 mCi/ml (740 MBq/ml)	SCP-404H	
				ambient, red	10 mCi/ml (370 MBq/ml)	SRP-404	
					20 mCi/ml (740 MBq/ml)	SRP-404H	

Deoxynucleotides labeled with P33, P32, S35 - continued

Substance	Label Pos.	Nuclide	Specific Activity	Shipping mode	Radioactive Concentration	Product Code	Product Information
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Deoxythymidine nucleotides

dTTP: [α ,-P32]Deoxythymidine 5'-triphosphate							
dTTP	α , 5'-	[P32]	400 Ci/mmol (15TBq/mmol)	cooled, clear	10 mCi/ml (370 MBq/ml)	FP-106	Purified by HPLC, Radiochemical purity >90%. Plexiglas, Screw-cap vial / Securitainer. Other concentrations on request.
					20 mCi/ml (740 MBq/ml)	FP-106H	
				ambient, clear	10 mCi/ml (370 MBq/ml)	SCP-106	
					20 mCi/ml (740 MBq/ml)	SCP-106H	
				ambient, red	10 mCi/ml (370 MBq/ml)	SRP-106	
					20 mCi/ml (740 MBq/ml)	SRP-106H	
dTTP	α , 5'-	[P32]	800 Ci/mmol (30TBq/mmol)	cooled, clear	10 mCi/ml (370 MBq/ml)	FP-806	Purified by HPLC, Radiochemical purity >90%. Plexiglas, Screw-cap vial / Securitainer. Other concentrations on request.
					20 mCi/ml (740 MBq/ml)	FP-806H	
				ambient, clear	10 mCi/ml (370 MBq/ml)	SCP-806	
					20 mCi/ml (740 MBq/ml)	SCP-806H	
				ambient, red	10 mCi/ml (370 MBq/ml)	SRP-806	
					20 mCi/ml (740 MBq/ml)	SRP-806H	
dTTP	α , 5'-	[P32]	3000 Ci/mmol (111 TBq/mmol)	cooled, clear	10 mCi/ml (370 MBq/ml)	FP-206	Purified by HPLC, Radiochemical purity >90%. Plexiglas, Screw-cap vial / Securitainer. Other concentrations on request.
					20 mCi/ml (740 MBq/ml)	FP-206H	
				ambient, clear	10 mCi/ml (370 MBq/ml)	SCP-206	
					20 mCi/ml (740 MBq/ml)	SCP-206H	
				ambient, red	10 mCi/ml (370 MBq/ml)	SRP-206	
					20 mCi/ml (740 MBq/ml)	SRP-206H	
dTTP	α , 5'-	[P32]	5000 Ci/mmol (185 TBq/mmol)	cooled, clear	10 mCi/ml (370 MBq/ml)	FP-306	Purified by HPLC, Radiochemical purity >90%. Plexiglas, Screw-cap vial / Securitainer. Other concentrations on request.
					20 mCi/ml (740 MBq/ml)	FP-306H	
				ambient, clear	10 mCi/ml (370 MBq/ml)	SCP-306	
					20 mCi/ml (740 MBq/ml)	SCP-306H	
				ambient, red	10 mCi/ml (370 MBq/ml)	SRP-306	
					20 mCi/ml (740 MBq/ml)	SRP-306H	
dTTP	α , 5'-	[P32]	>6000 Ci/mmol (222 TBq/mmol)	cooled, clear	10 mCi/ml (370 MBq/ml)	FP-406	Purified by HPLC, Radiochemical purity >90%. Plexiglas, Screw-cap vial / Securitainer. Other concentrations on request.
					20 mCi/ml (740 MBq/ml)	FP-406H	
				ambient, clear	10 mCi/ml (370 MBq/ml)	SCP-406	
					20 mCi/ml (740 MBq/ml)	SCP-406H	
				ambient, red	10 mCi/ml (370 MBq/ml)	SRP-406	
					20 mCi/ml (740 MBq/ml)	SRP-406H	

Amino Acids and Peptides labeled with S35, H3, C14

Substance	Label Pos.	Nuclide	Specific Activity	Shipping mode	Radioactive Concentration	Product Code	Product Information
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[S35] labeled Amino Acids

L-[S35]Methionine							
L-Methionine	S	[S35]	>1000Ci/mmol (37TBq/mmol)	cooled, clear	10 mCi/ml (370 MBq/ml)	KSM-01	Purified by HPLC, Radiochemical purity >90%. Plexiglas, Screw-cap vial / Securitainer. Other concentrations on request.
					20 mCi/ml (740 MBq/ml)	KSM-01H	
				cooled, clear (10mM βME)	10 mCi/ml (370 MBq/ml)	KSM-01ME	
					20 mCi/ml (740 MBq/ml)	KSM-01ME-H	
				ambient, clear	10 mCi/ml (370 MBq/ml)	SCM-01	
					20 mCi/ml (740 MBq/ml)	SCM-01H	
				ambient, red	10 mCi/ml (370 MBq/ml)	SRM-01	
					20 mCi/ml (740 MBq/ml)	SRM-01H	
				ambient, blue	10 mCi/ml (370 MBq/ml)	SBM-01	
				Met-[S35]-label. <i>E. coli</i> hydrolysate			
Met & Cys	S	[S35]	1000 Ci/mmol (37 TBq/mmol)	cooled, clear	10 mCi/ml (370 MBq/ml)	IS-103	Containing ca. 70% L- [S35]Methionine, ca 25% L- [S35]Cysteine, ca 5% misc. Amino acids. Plexiglas Screw-cap vial / Securitainer Other concentrations on request
					20 mCi/ml (740 MBq/ml)	IS-103H	
				ambient, clear	10 mCi/ml (370 MBq/ml)	SCIS-103	
					20 mCi/ml (740 MBq/ml)	SCIS-103H	
				ambient, red	10 mCi/ml (370 MBq/ml)	SRIS-103	
					20 mCi/ml (740 MBq/ml)	SRIS-103H	

[H3] labeled Peptides

please inquire. Catalogue being updated.

[C14] labeled Peptides

please inquire. Catalogue being updated.

Radionuclides: P33, P32, S35, Cr51, I125 and others

Substance	Label Pos.	Nuclide	Specific Activity	Shipping mode	Radioactive Concentration	Product Code	Product Information
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[P33] Phosphorus-33 Radionuclide

Orthophosphate	[P33]	carrier free	ambient	10 mCi/ml (370 MBq/ml)	FF-1	P32 content <0.5% 0.04 M HCl Plexiglas Screw-cap vial / Securitainer
				20 mCi/ml (740 MBq/ml)	FF-1H	
				2 Ci/ml (74 GBq/ml)	FF-1H2	
				other conc. on request	inquire	

[P32] Phosphorus-32 Radionuclide

Orthophosphate	[P32]	carrier free	ambient	54 mCi/ml (2 GBq/ml)	P-RB-1	Aqueous solution Plexiglas and lead Screw-cap vial / Securitainer
				10 mCi/ml (370 MBq/ml)	P-RB-1-L	
				other conc. on request	inquire	

[S35] Sulfurus-35 Radionuclide

Sulfuric Acid	[S35]	carrier free	ambient, red	10 mCi/ml (370 MBq/ml)	S-RA-1	Aqueous solution Plexiglas Screw-cap vial / Securitainer
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[Cr51] Chromium-51 Radionuclide

Sodium Chromate	[Cr51]	>13 GBq/mg Cr	ambient	1 mCi/ml (37 MBq/ml)	CR-RA-4	Sodium chromate in isotonic saline >13 GBq/mg Cr Cr content: 0.029 mg/ml
				5 mCi/ml (185 MBq/ml)	CR-RA-8	
				10 mCi/ml (370 MBq/ml)	CR-RA-10	
				15 mCi/ml (555 MBq/ml)	CR-RA-15	
				20 mCi/ml (740 MBq/ml)	CR-RA-20	

[I125] Iodine-125 Radionuclide

Iodine in 0.04 M NaOH	[I125]	2000 Ci/mmol (74 TBq/mmol)	ambient	200 mCi/ml (7.4 GBq/ml)	I-RB-31H	I-126 content <0.9 % Plexiglas and lead Screw-cap vial / Securitainer
				100 mCi/ml (3.7 GBq/ml)	I-RB-31	
				40 mCi/ml (1.48 GBq/ml)	I-RB-31-40	
				5 mCi/ml (185 MBq/ml)	I-RB-31-5	
				2 mCi/ml (74 MBq/ml)	I-RB-31L	
Iodine in 0.01 M NaOH	[I125]	2000 Ci/mmol (74 TBq/mmol)	ambient	100 mCi/ml (3.7 GBq/ml)	I-RB-4	

Others

please inquire. Catalogue being updated.
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Labeling Services

Substance	Label Pos.	Nuclide	Specific Activity	Shipping mode	Radioactive Concentration	Product Code	Product Information
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Oligonucleotide End-labeling Service

5'- End labeling	[P33]	>800 Ci/mmol	custom	custom	FF-901	rad. Purity >95% Plexiglas (and lead) Screw-cap vial / Securitainer
5'- End labeling	[P32]	>1000 Ci/mmol	custom	custom	FP-901	
3'- End labeling	[P33]	Custom, please inquire				
3'- End labeling	[P32]	Custom, please inquire				

Oligo can be ordered through us or provided by customer (1-10 nmol in 50 µl 1 x TE).

DNA Random Priming Labeling Service

Random Priming	[P33]	>25 MBq/µg	custom	custom	FF-905R	rad. Purity >95% Plexiglas (and lead) Screw-cap vial / Securitainer
Random Priming	[P32]	>50 MBq/µg	custom	custom	FP-905R	

DNA provided by customer (depending on sample: 0.25 - 5 µg in 50 µl 1 x TE).

RNA Labeling Service

Custom. Please inquire.

Protein Labeling Service

Custom. Please inquire.

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We look forward to hearing from you!