

Drug	Guidelines	CPT code
abacavir	CPIC Dosing Guideline for abacavir and HLA-B	81381
allopurinol	CPIC Dosing Guideline for allopurinol and HLA-B	81381
amitriptyline	CPIC Dosing Guideline for amitriptyline and CYP2C19,CYP2D6	81225, 81226
azathioprine	CPIC Dosing Guideline for azathioprine and TPMT	81401
boceprevir	CPIC Dosing Guideline for boceprevir,peginterferon alfa-2a,peginterferon alfa-2b,ribavirin,telaprevir and IFNL3	81400
capecitabine	CPIC Dosing Guideline for capecitabine and DPYD	81400
carbamazepine	CPIC Dosing Guideline for carbamazepine and HLA-B	81381
clomipramine	CPIC Dosing Guideline for clomipramine and CYP2C19,CYP2D6	81225, 81226
clopidogrel	CPIC Dosing Guideline for clopidogrel and CYP2C19	81225
codeine	CPIC Dosing Guideline for codeine and CYP2D6	81226
desipramine	CPIC Dosing Guideline for desipramine and CYP2D6	81226
doxepin	CPIC Dosing Guideline for doxepin and CYP2C19,CYP2D6	81225, 81226
fluorouracil	CPIC Dosing Guideline for fluorouracil and DPYD	81400
imipramine	CPIC Dosing Guideline for imipramine and CYP2C19,CYP2D6	81225, 81226
ivacaftor	CPIC Dosing Guideline for ivacaftor and CFTR	Depends on how testing performed: 81220 (common)
mercaptopurine	CPIC Dosing Guideline for mercaptopurine and TPMT	81401
nortriptyline	CPIC Dosing Guideline for nortriptyline and CYP2D6	81226
peginterferon alfa-2a	CPIC Dosing Guideline for boceprevir,peginterferon alfa-2a,peginterferon alfa-2b,ribavirin,telaprevir and IFNL3	81400
peginterferon alfa-2b	CPIC Dosing Guideline for boceprevir,peginterferon alfa-2a,peginterferon alfa-2b,ribavirin,telaprevir and IFNL3	81400
phenytoin	CPIC Dosing Guideline for phenytoin and CYP2C9,HLA-B	81227, 81381
rasburicase	CPIC Dosing Guideline for rasburicase and G6PD	No CPT code; must use 81479
ribavirin	CPIC Dosing Guideline for boceprevir,peginterferon alfa-2a,peginterferon alfa-2b,ribavirin,telaprevir and IFNL3	81400
simvastatin	CPIC Dosing Guideline for simvastatin and SLCO1B1	81400
tegafur	CPIC Dosing Guideline for tegafur and DPYD	81400
telaprevir	CPIC Dosing Guideline for boceprevir,peginterferon alfa-2a,peginterferon alfa-2b,ribavirin,telaprevir and IFNL3	81400
thioguanine	CPIC Dosing Guideline for thioguanine and TPMT	81401
trimipramine	CPIC Dosing Guideline for trimipramine and CYP2C19,CYP2D6	81225, 81226
warfarin	CPIC Dosing Guideline for warfarin and CYP2C9,VKORC1	81227, 81355

Note there are CPT codes for CYP3A4 (81401), and CYP3A5 (81401)