

Thyroid Equivalencies

Thyroid Tablets 1:4.2 (Armour [®])	Compounded Thyroid, USP 1:4.2 (T3:T4) Sustained Release	Compounded Thyroid 1:3.3 (T3:T4) Sustained Release (SR)	Levothyroxine Tablets (Synthroid [®])	Liothyronine Tablets (Cytomel [®])	Liotrix Tablets (Thyrolar [®])
Dessicated, Porcine T4/T3	Compounded T4/T3	Compounded T4/T3	Synthetic T4	Synthetic T3	Synthetic T4/T3
¼ grain (15mg)	T4=9.5mcg T3=2.25mcg	T4=8.3mcg T3=2.5mcg	25 mcg (0.025mg)		¼ grain (12.5/3.1 mcg)
½ grain (30mg)	T4=19mcg T3=4.5mcg	T4=16.8mcg T3=5.1mcg	50 mcg (0.05mg)		½ grain (25/6.25 mcg)
¾ grain (45mg)	T4=28.5mcg T3=6.75mcg	T4=24.9mcg T3=7.5mcg	75 mcg (0.075mg)		
1 grain (60mg)	T4=38mcg T3=9mcg	T4=33.3mcg T3=10.1mcg	100 mcg (0.1mg)	25 mcg (0.025mg)	
1-1/2 grain (90mg)	T4=57mcg T3=13.5mcg	T4=50.2mcg T3=15.2mcg	150 mcg (0.15mg)		
2 grain (120mg)	T4=76mcg T3=18mcg	T4=66.9mcg T3=20.3mcg	200 mcg (0.2mg)	50 mcg (0.05mg)	2 grain (100/25 mcg)
3 grain (180mg)	T4=114mcg T3=27mcg	T4=100.3mcg T3=30.4mcg	300 mcg (0.3mg)		3 grain (150/37.5 mcg)
4 grain (240mg)	T4=152mcg T3=36mcg	T4=133.7mcg T3=40.5mcg			
5 grain (300mg)	T4=190mcg T3=45mcg	T4=167.3mcg T3=50.7mcg			

Note: Conversions are approximate.

Sources: USP –DI 2000, 20th Edition, The Compounder www.thecompounder.com