

Testosterone

Place in therapy	Product	Formulation	Guidelines / Comments
First line	Sustanon 250®	250mg/ml amp: £2.45 (1ml)	Sustanon 250® is the testosterone injection of choice on grounds of cost-effectiveness
Second line	Testosterone Enantate (Amber 1)	250mg/ml amp: £79.75 (3)	Second line is Testosterone Enantate 250mg given every 4 weeks. Trough testosterone should be measured on the day of the 3rd Enantate injection to make sure patients are not being overdosed – target is a testosterone in the lower quartile of reference range, 8-13 nmol/l. The Enantate dosing interval range of 3-6 weekly is longer than that for Sustanon®, which is usually 3-4 weekly.
Third line	Nebido® Testosterone undecanoate Amber 1 – for inducing male features in biological females Amber 3 – for gender dyphoria	250mg/ml amp: £87.11 (1g/4ml)	If neither first- or second-line choices are available Nebido® injection lasts for 10-14 weeks - measuring trough testosterone weekly from 10 weeks will enable the dosing interval to be determined using the target range above. Nebido® should be given with the patient lying in prone position
Fourth Line	Testogel®	50mg/5g gel sachet: £31.11 (30)	ALL Testosterone products are included in the formulary for the duration of the national shortage of injectable formulations.
	Testim®	50mg/5g gel: £32.00 (30g)	
	Tostran®	2% gel (10mg per application): £28.67 (60g)	
	Restandol® Testosterone undecanoate Amber 1	40mg capsules: £8.55 (30)	
	Striant SR® Amber 1	30mg Mucoadhesive buccal tablets: £28.00 (60)	

Notes:

- Prescribers must seek prior approval from the Individual Funding Request (IFR) panel for all testosterone products used for female hypoactive sexual desire disorder.
- [NHS England Interim Gender Dysphoria Protocol and Service Guideline](#) (pdf)
- [Good practice guidelines for the assessment and treatment of adults with gender dysphoria \(October 2013\)](#)
- Oral testosterone is often not sufficient to provide adequate testosterone replacement.
- Three gel products are included to provide for patient preference.
- Sustanon® injection may be used for androgen deficiency.

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