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Testosterone Propionate

$C_{22}H_{32}O_3$ 344.49
Androst-4-en-3-one, 17-(1-oxopropoxy)-, (17 β)-.
Testosterone propionate CAS RN®: 57-85-2; UNII: WI93Z9138A.
» Testosterone Propionate contains not less than 97.0 percent and not more than 103.0 percent of $C_{22}H_{32}O_3$, calculated on the dried basis.

Packaging and storage—Preserve in well-closed, light-resistant containers.

USP REFERENCE STANDARDS (11)—
[USP Testosterone Propionate RS](#)

Identification—

Change to read:
A: ▲ [Spectroscopic Identification Tests \(197\), Infrared Spectroscopy: 197K](#) ▲ (CN 1-May-2020) ·
Change to read:
B: ▲ [Spectroscopic Identification Tests \(197\), Ultraviolet-Visible Spectroscopy: 197U](#) ▲ (CN 1-May-2020) —
Solution: 10 µg per mL.
Medium: alcohol.
Absorptivities at 241 nm, calculated on the dried basis, do not differ by more than 3.0%.
C: It responds to *Identification test C* under [Testosterone Enanthate](#).
MELTING RANGE (741): between 118° and 123°.
SPECIFIC ROTATION (781S): between +83° and +90°.
Test solution: 20 mg, previously dried, per mL, in dioxane.
LOSS ON DRYING (731)—Dry it in vacuum over silica gel for 4 hours: it loses not more than 0.5% of its weight.
Assay—Proceed with Testosterone Propionate as directed in the [Assay](#) under [Testosterone Enanthate](#), except to use [USP Testosterone Propionate RS](#) and otherwise substitute Testosterone Propionate throughout. Calculate the quantity, in mg, of $C_{22}H_{32}O_3$ in the Testosterone Propionate taken by the formula given therein.

Auxiliary Information - Please [check for your question in the FAQs](#) before contacting USP.

Topic/Question	Contact	Expert Committee
TESTOSTERONE PROPIONATE	Documentary Standards Support	SM32020 Small Molecules 3
REFERENCE STANDARD SUPPORT	RS Technical Services RSTECH@usp.org	SM32020 Small Molecules 3

Chromatographic Database Information: [Chromatographic Database](#)

Most Recently Appeared In:
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