Hydrocortisone
Cell Culture Tested

Product Code: TC344

Product Description:
Molecular weight: 362.46
Molecular formula: C_{21}H_{30}O_{5}
CAS No: 50-23-7
Synonym: 11β,17α,21-Trihydroxypregn-4-ene-3,20-dione, 17-Hydroxycorticosterone, Cortisol, Kendall’s compound

Hydrocortisone is a glucocorticoid steroid hormone produced by adrenal cortex. It has three times the anti-inflammatory potency of corticosterone but much lower Na+ retention potency.

Hydrocortisone is commonly used in epithelial and endothelial culture. Glucocorticoids are known to modulate various cellular functions such as cell proliferation, metabolism, glycosylation and secretion of many proteins.

Direction:
Suspend required amount in Ethanol. Mix to dissolve.
Filter sterilized by 0.22micron filter.
Aliquot into smaller working aliquots.

Quality Control:
Appearance
White to off-white powder.

Solubility
Clear colorless to very faint yellow solution at 50mg in 1ml of Chloroform: Ethanol (1:1) solution.

Assay
98%

Cell Culture Test
Passes

Storage and Shelf Life:
Store at 10°-30°C away from bright light.
Store working aliquots at -20°C.
Shelf life is 36 months.
Use before expiry date given on the product label.
Note: Avoid repeated freeze / thaw.

Disclaimer:
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