



# CERTIFICATE OF ANALYSIS

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## HCG

Human Chorionic Gonadotropin · Glycoprotein heterodimer · CAS 9002-61-3

BATCH NUMBER

**APX-2026-0422-H**

TEST DATE

**Apr 22, 2026**

VIAL SIZE

**10000iu**

ANALYSIS TYPE

**Compounded mixture analysis**

ANALYST

**K. Norwood**

METHOD

**ELISA + LC-MS marker peptide**

### QUALITY TESTING RESULTS

|                       |                                       |
|-----------------------|---------------------------------------|
| Potency specification | <b>± 10% (WHO 4th IS 75/537)</b>      |
| Potency result        | <b>10000iu/vial</b>                   |
| Endotoxin             | <b>&lt; 5 EU/vial · LAL</b>           |
| Sterility             | <b>Pass</b>                           |
| Compendial reference  | <b>USP HCG monograph · WHO 75/537</b> |

### COMPOSITION

| Component                    | Concentration | Detail                                                                 |
|------------------------------|---------------|------------------------------------------------------------------------|
| <b>? subunit</b>             | ~37% mass     | 92-AA glycoprotein · ~14.9 kDa with N-glycans (shared with LH/FSH/TSH) |
| <b>? subunit</b>             | ~37% mass     | 145-AA glycoprotein · ~22.2 kDa with N- and O-glycans · HCG-specific   |
| <b>Carbohydrate moieties</b> | ~26% mass     | N-glycans + O-glycans · sialic acid termini drive in vivo half-life    |

### DOCUMENT PROVENANCE

Issued by Apex Laboratory as the published batch record for HCG, batch APX-2026-0422-H. Analytical testing performed by K. Norwood. This document was generated from the live Lab Verified dataset on Aug 14, 2026. The current record for this material is always available at [apexlab.org/lab-verified](https://apexlab.org/lab-verified), and this batch number can be checked at [apexlab.org/verify](https://apexlab.org/verify).

This material is a chemical reagent intended strictly for in-vitro laboratory research and development use by qualified professionals. It is not for human or veterinary use of any kind. This certificate summarizes the analytical results recorded for the batch identified above, as published in the Apex Laboratory Lab Verified archive ([apexlab.org/lab-verified](https://apexlab.org/lab-verified)).

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