



Highly Purified Human Thyroglobulin (hTg) (low IgG content)

PRODUCT CODE : AJ 3015

SOURCE : This product is isolated from human thyroid tissue by chromatographic means.

DISEASE STATE TESTING STATUS : The initial raw material thyroid tissue extract is tested negative for HBsAg, anti-HIV-1/2 and anti-hepatitis C.

PRODUCT PRESENTATION : Supplied freeze-dried from 0.02M ammonium bicarbonate.
The product may contain traces of buffer salts.

ANALYSIS : Cellulose acetate electrophoresis shows one band only, indicating α_1 electrophoretic mobility.

Polyacrylamide gel electrophoresis shows one band only at 660 kD corresponding to thyroglobulin. Under certain conditions sub-unit thyroglobulin is observed at 330kD.

Total protein is determined by the method of Lowry and by optical density using
$$E_{1\text{cm},0.1\%}^{280\text{nm}} = 1.04$$

Immunological identity is confirmed by Radial Immunodiffusion (RID).

Contaminant IgG is not detectable by Radial Immunodiffusion (RID)

PURITY : Nominally > 98% of the total protein is thyroglobulin.

RECONSTITUTION : Use of a phosphate buffer of pH >7.0 containing 0.15M NaCl is recommended.

STORAGE : +2 to 8°C

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QUALITY
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