



Highly Purified Human Thyroglobulin (h-TG)

PRODUCT CODE : AJ 3168

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.

PURITY : Nominally greater than 96% of the total protein is thyroglobulin.

ANALYSES :

Type	Results
Polyacrylamide Gel Electrophoresis	Shows one band corresponding to TG molecular weight of 660 kD. Under certain conditions, sub-unit TG can be observed at 330 kD.
Cellulose Acetate electrophoresis	Shows one band with α_1 -electrophoretic mobility
Oughterlony immunodiffusion	Confirms identity
Protein determination by optical density using $E_{1\text{cm}, 0.1\%}^{280\text{nm}} = 1.04$	Reported in mg/ml (dispensing solution)
Protein determination by the Lowry method	Confirms optical density result.

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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