

CERTIFICATE OF ANALYSIS

HUMAN TISSUE PROTEIN

Human Thyroglobulin (Tg)

Code No.	P128-1
Grade	Highly Pure
Lot No.	

RECEIVER INFORMATION

Expiry Date
Manufacture Date
Storage Temperature Store at 2-8°C.

Storage Notes Do not freeze.
Shipping Notes Cool pack.

PRODUCT INFORMATION

Source Human thyroid glands.

Nominal Purity >96%

Presentation Single homogenous batch, 0.2µm filtered, supplied lyophilised from 0.02M NH₄HCO₃ solution. May contain traces of buffer salts.

Reconstitution Advice Use of phosphate buffer, pH >7.0 containing 0.15M NaCl is recommended. For maximum recovery of the product, we would strongly advise that reconstitution is performed directly into supplied vial.

Recovery In order to meet our customer needs, it should be noted that there is normally a dispensing overage allowance and the product recovery may, therefore, be greater than expected.

HEALTH AND SAFETY

Application For Research and Manufacturing Only.

Infectious Disease Tests

Starting material tested using FDA approved tests for:	Result
HIV 1 & 2 antibodies	
Hepatitis B Surface Antigen	
Hepatitis C virus antibodies	
Syphilis	

Precaution No test can guarantee the absence of an infectious agent. Please handle as potentially hazardous.

Material Safety For further information and technical details, please download a Safety Data Sheet at www.bbisolutions.com or contact your BBI Account Manager.

ANALYSIS

TESTS	SPECIFICATIONS	RESULTS
<u>Determination Method</u>		
Protein concentration by optical density at 280nm using $E_{0.1\%}^{1\text{cm}} = 1.04$	> 1 mg/ml.	mg/ml.
Polyacrylamide Gel Electrophoresis.	To show one band corresponding to Tg molecular weight at 660kD. Under certain conditions sub-unit Tg can be observed at 330kD.	Pass/Fail.
Thyroglobulin content as determined by Radial Immunodiffusion.	To verify quantity.	Pass/Fail.
Bioburden.	< 100 CFU/ml.	Pass/Fail.
Physical appearance	Off white freeze dried solid.	
Purity	Defined by major band on coomassie stained 4-20% PAGE.	

Name:		Position:	
Signed:		Date:	