

Datasheet for ABIN5068118 **NN-TSH ELISA Kit**

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Overview

Quantity:	96 tests
Target:	NN-TSH
Reactivity:	Human
Application:	ELISA

Product Details

Sample Type:	Serum
Analytical Method:	Quantitative
Detection Method:	Fluorometric, Colorimetric
Cross-Reactivity (Details):	Calculated cross reactivity: Hu
Sensitivity:	0.77 μ IU/mL
Characteristics:	Thyroid Stimulating Hormone, Neonatal, Human, ELISA Kit (TSH)
Components:	<ul style="list-style-type: none">• 1. Microtiter Plate, 1x96 wells• 2. Ab (HRP), 1x12ml• 3. TSH Standard Calibrator Card, 1x1 sheet• 4. TSH Control Card, 1x1 sheet• 5. Sample Collection Card, 1x90 sample• 6. Substrate A, 1x10ml• 7. Substrate B, 1x10ml• 8. Stop Solution, 1x12ml• 9. Sample Buffer, 1x12ml• 10. Wash Buffer (20X), 1x60ml

Target Details

Target:	NN-TSH
Alternative Name:	Thyroid Stimulating Hormone, Neonatal (NN-TSH Products)
Background:	<p>Thyroid-stimulating hormone (TSH) is secreted by the anterior lobe of the pituitary gland and induces the production and release thyroid hormones thyroxine (T4) and triiodothyronine (T3). These thyroid hormones exert a negative feedback on the pituitary. The release of TSH is regulated by TSH-releasing hormone (TRH) produced in the hypothalamus. When there are high circulating levels of thyroid hormone in the blood, less TRH is released by the hypothalamus, so less TSH is secreted by the pituitary. The normal concentration of TSH in the blood is extremely low, but it is essential for maintenance of normal thyroid function. The determination of serum or plasma levels of TSH is recognized as a sensitive method in the diagnosis of primary and secondary hypothyroidism. Primary Congenital Hypothyroidism (CH) occurs in 1 out of every 3000 to 7000 infants and is caused by athyroidism and hypoplasia. If infants are screened for this disorder during their first month, then irreversible mental retardation can be prevented through early diagnosis and proper treatment.</p>

Application Details

Protocol:	A kit using a method of collecting blood spot samples on S&S 903 filter paper and ELISA techniques has been developed. This kit can quantitatively determine TSH level in neonates sensitively, accurately, safely and reliably. It is an important and practical tool to determine thyroids state of neonates, thus making it possible to prevent against infant mental retardation.
Restrictions:	For Research Use only

Handling

Storage:	4 °C
Storage Comment:	4°C