



Newborn screening of Congenital Hypothyroidism

Linear calibration range guarantees precise calculation
Excellent recovery from CDC samples
Calibrated against WHO and ISNS standards

TSH FEIA Plus

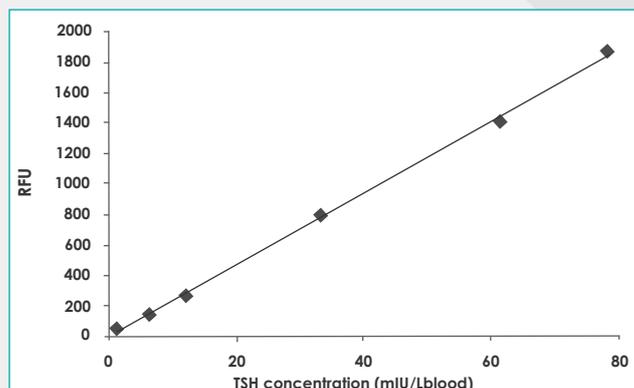
- Lower background
- Improved stability
- Proven performance

Neonatal hTSH

TSH tests are calibrated against the latest international references¹⁾ and they give good agreement with CDC samples.

Linear calibration curve guarantees easy calculation over the whole range of wide calibration area.

CDC Sample	CDC target (mIU/l serum)	TSH FEIA Plus 2 h incubation (mIU/l serum)	TSH FEIA Plus 3 h incubation (mIU/l serum)
811	23.5	22.1 (94%)	21.6 (92%)
812	35.2	35.6 (101%)	37.3 (106%)
813	76.5	87.6 (114%)	88.2 (115%)



Typical TSH FEIA Plus calibration curve

Procedure for TSH FEIA Plus

1. Add 3 mm discs + 200 µl conjugate into wells
2. Incubate alternatively
 - a) 3 h RT shaking
 - b) 15 min RT shaking, then O/N at +4°C, Wash 4 x 300 µl
3. Add 200 µl substrate. Incubate 1 h RT shaking
4. Add 100 µl stopping solution
5. Measure fluorescence at 320/405 nm

¹the WHO 3rd International Standard (81/565) of hTSH and since 2005 1st ISNS Reference preparation for Neonatal Screening for TSH, phenylalanine and 17 α-hydroxyprogesterone in blood spots.

Cat.no.	Product name	Plate type	Packing size	Regulatory status
6199880	Neonatal hTSH FEIA Plus	96-well solid	960 wells	CE marked
6199881	Neonatal hTSH FEIA Plus	96-well solid	4800 wells	CE marked
6199882	Neonatal hTSH FEIA Plus	12x8 strip	480 wells	CE marked
6199883	Neonatal hTSH FEIA Plus	12x8 strip	960 wells	CE marked
6199891	Neonatal hTSH EIA	12x8 strip	480 wells	CE marked
6199892	Neonatal hTSH EIA	12x8 strip	960 wells	CE marked
6199893	Neonatal hTSH EIA	96-well solid	960 wells	CE marked
61998923	Neonatal hTSH EIA	96-well solid	4800 wells	CE marked

Type 903 filter paper is used in all products.

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*Please note: Product specifications are subject to change without prior notice owing to product modifications, improvements / up-gradation.