

PRODUCT SPECIFICATIONS

Date: 2013-02-28

PRODUCT NAME	:	Anti-h PRL 5602 SP-5
PRODUCT SPECIFICITY	:	Antibody recognizes human Prolactin (Luteotropic Hormone, or Luteotropin)
PRODUCT CODE	:	100360
PRODUCT BUFFER	:	0.9 % NaCl, 0.1 % NaN ₃ as a preservative
SHELF LIFE AND STORAGE	:	24 months at 2-8 °C
ANALYTE DESCRIPTION	:	Prolactin (PRL) or Luteotropic hormone (LTH) is a peptide hormone primarily associated with lactation. Prolactin is usually measured when checking for pituitary tumors and the cause of: breast milk production that is not related to childbirth (galactorrhea), impotence, infertility, irregular menstrual periods.

PARAMETERS TESTED FROM EACH LOT

PRODUCT APPEARANCE	:	Clear liquid
PRODUCT CONCENTRATION	:	5.0 mg/ml (+/- 10 %)
PRODUCT ACTIVITY	:	80-120 % compared to reference in an IFMA-test
IEF-RANGE	:	4.9 - 6.7
PURITY	:	≥ 95 %

PARAMETERS DETERMINED ONLY DURING PRODUCT R&D PHASE

CLASS AND SUBCLASS	:	IgG ₁
ASSOCIATION CONSTANT	:	N/D
DISSOCIATION CONSTANT	:	N/D
AFFINITY CONSTANT	:	9.5 x 10 ⁹ l/mol
DETERMINATION METHOD	:	Radioimmunoassay (RIA)
ANTIGEN	:	PRL, UCB –Bioproducts (Cat No i117/001 Lot 003)
CROSS-REACTIVITIES	:	GH < 0.5 % (Boehringer Cat No 252964 Lot 1222303/Jul 84) PL < 0.05 % (UCB-Bioproducts Cat No i020 Lot 007)

EPITOPE : N/D

EPITOPE GROUP : -

Two antibodies binding to the same, or closely located epitopes, belong to the same group and hence cannot be used as a pair in a sandwich assay. Epitope group numbering does not give any detailed information where the epitope is located.

PAIR RECOMMENDATIONS :

SOLID	LABEL
5601	5602

Please note that pair recommendations are based on results obtained in our laboratory. Equally good results may be obtained using other pairs and therefore these recommendations should be taken only as a directive.

PRODUCT STABILITY :

TEMPERATURE, DAYS	RESULT
-70 °C, 21 days	N/D
-20 °C, 21 days	N/D
+4 °C, 21 days	N/D
+25 °C, 21 days	N/D
+35 °C, 7 days	N/D
+35 °C, 21 days	N/D
+45 °C, 3 days	N/D
+45 °C, 7 days	N/D

Please note that the shelf life given on page one is based on real time stability testing at +2-8 °C in the product buffer.

Stability testing is performed in the product buffer to see whether different temperatures affect the antigen binding, charge or composition of the antibody. The maximum duration of the test is 21 days, except for the +45 °C only 7 days.

pH, 14 DAYS, +4 °C	RESULT
5.0	N/D
6.0	N/D
7.0	N/D
8.0	N/D

Stability testing is performed to see whether pH affects the antigen binding, charge or composition of the antibody during 14 days at +4 °C.

MISCELLANEOUS : -

REFERENCES : -

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