


FERTILITY
PRODUCT SPECIFICATIONS
Date: 2010-05-12

PRODUCT NAME	: Anti-h PRL 5602 SP-1
PRODUCT SPECIFICITY	: Antibody recognizes human Prolactin (Luteotropic Hormone, or Luteotropin)
PRODUCT CODE	: 100040
PRODUCT BUFFER	: 0.9 % NaCl, 0.1 % NaN ₃ as a preservative
SHELF LIFE AND STORAGE	: 12 months from manufacturing 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	: 1.00 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	:
DISSOCIATION CONSTANT	:
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 :

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 and equally good results can be obtained using also other pairs and therefore these recommendations should be taken only as directive.

PRODUCT STABILITY :

TEMPERATURE, DAYS	RESULT
-70 °C, 21 days	
-20 °C, 21 days	
+4 °C, 21 days	
+25 °C, 21 days	
+35 °C, 7 days	
+35 °C, 21 days	
+45 °C, 3 days	
+45 °C, 7 days	
pH, 14 DAYS, +4 °C	RESULT
5.0	
6.0	
7.0	
8.0	

MISCELLANEOUS :

REFERENCES :

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