

NATIONAL INSTITUTE OF DIABETES AND DIGESTIVE AND KIDNEY DISEASES (NIDDK) POLYPEPTIDE HORMONES, SUBUNITS, AND ANTISERA AVAILABLE TO QUALIFIED INVESTIGATORS, FOR RESEARCH

The materials listed below are procured through programs supported by the National Institute of Diabetes and Digestive and Kidney Diseases, the Center for Population Research of the National Institute of Child Health and Human Development, and the Agricultural Research Service of the U.S. Department of Agriculture. These materials are distributed to qualified investigators for research purposes, not for therapeutic, diagnostic, or commercial uses.

APPLICATION: Application forms must be submitted prior to an award. Letters of request not accompanied by an application form are not acceptable. Forms are available from and should be submitted to: Dr. Salvatore Raiti, Director, National Hormone and Pituitary Program, 210 West Fayette Street, Suite 505, Baltimore, MD 21201; Phone: (301) 328-2746; BITNET: NHPP @ UMAB; Fax phone: (301) 837-9566.

AWARDS: Only one ampoule or one RIA kit of each material will be awarded at a time. Requests for larger amounts of materials may be granted, subject to review by the Hormone Distribution Program Advisory Committee.

NEW MATERIALS AVAILABLE:

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| <ol style="list-style-type: none"> 1. Rat GH and PRL FREE OF HORMONAL CONTAMINANTS 2. Bovine and Porcine FSH TOTALLY FREE OF LH 3. Rat LH, FSH and TSH Subunits/Antisera 4. Antiserum to Synthetic Human GH | <ol style="list-style-type: none"> 5. Frozen Human Pituitary Glands 6. 20K Variant of hGH 7. Bovine FSH RIA 8. Porcine FSH RIA |
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For RIA: Pituitary & Placental Hormones & Subunits, Antisera, & Reference Preparations

		Human			Rat			Ovine			Bovine		Porcine			Monkey			
		H	AS	RP	H	AS	RP	H	AS	RP	H	AS	H	AS	RP	H	AS	RP	
ACTH		1 ^a	1	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—
CG	Intact	1 ^b	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
CG α	Subunit	1 ^a	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
CG β	Subunit	1 ^b	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
FSH	Intact	1 ^b	1	1	1 ^b	1	1	1 ^a	1	1	1	1 ^o	1 ^c	1 ^p	—	1 ^b	1	—	—
FSH α	Subunit	1 ^a	1	—	1 ^b	1	1	*	—	—	—	—	*	—	—	—	—	—	—
FSH β	Subunit	1 ^b	1	—	1 ^b	1 ^j	1	*	—	—	—	—	*	—	—	—	—	—	—
GH		1 ^h	1	1	1 ^e	1	1	1 ^h	1	—	*	*	*	*	—	*	—	—	—
GH, 20K	Variant	1 ^{c,g}	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
LH	Intact	1 ^e	1	1	1 ^b	1	1	1 ^f	1	—	1 ^g	—	1 ^c	*	—	1 ⁿ	1	1	—
LH α	Subunit	1 ^a	1 ^k	—	1 ^b	1	1	1 ^c	1	—	1	—	*	—	—	—	—	—	—
LH β	Subunit	1 ^c	1	—	1 ^b	1	1	1 ^c	1 ^m	—	1	—	*	—	—	—	—	—	—
LPH β		1 ^d	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
PL		1 ⁱ	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
PRL		1 ^b	1	1	1 ^f	1	1	1 ^g	1	—	1 ^g	*	1 ^b	*	—	—	—	—	—
TSH	Intact	1 ^e	1	1	1 ^b	1	1	1 ^g	1	—	1 ^b	*	*	—	—	—	—	—	—
TSH α	Subunit	1 ^c	1	—	1 ^b	1	1	*	—	—	*	—	*	—	—	—	—	—	—
TSH β	Subunit	1 ^b	1 ^l	—	1 ^b	1	1	*	—	—	1	—	*	—	—	—	—	—	—
(PTH)		—	—	—	—	—	—	—	—	—	2 μ g	—	—	—	—	—	—	—	—

H, hormone for iodination; AS, diluted antiserum for 10,000 RIAs or as indicated; RP, reference preparation.

NOTE: RIAs for ovine pituitary hormones cross-react strongly with, and may be used for the measurement of, the corresponding bovine pituitary hormones, with the exception of FSH. RIAs for rat pituitary hormones cross-react strongly with, and may be used for the measurement of, the corresponding mouse pituitary hormones, with the exception of PRL. For mouse PRL, use the available homologous RIA. For mouse GH RIA, use the available mouse GH for iodination with rat GH antiserum. RIAs for human pituitary GH, PRL, and TSH cross-react strongly with the corresponding monkey pituitary hormones. All antisera are distributed in liquid form. Antisera for RIA contain merthiolate.

^a 50 μ g; ^b 100 μ g; ^c 200 μ g; ^d 300 μ g; ^e 400 μ g; ^f 500 μ g; ^g 1 mg; ^h 2 mg; ⁱ 5 mg; ^j antisera for 2,500 RIAs; ^k antisera for 3,750 RIAs; ^l antisera for 5,000 RIAs; ^m antisera for 9,750 RIAs. ⁿ These materials will be shipped frozen by air express in the U.S.A. ^o Request antiserum to ovine FSH, for bovine FSH RIA. ^p Request antiserum to ovine FSH, for porcine FSH RIA.

* These may be obtained from Dr. A. F. Parlow, Harbor-UCLA Medical Center, 1000 West Carson Street, Torrance, CA 90509.

For Biologic Studies: Polypeptide Hormones and Other Materials

	Human	Rat	Ovine	Bovine	Porcine	Other
CG	1 mg	—	—	—	—	—
CGa	1 mg	—	—	—	—	—
CG hybrid (ABIER-CR-1xy)	1.5 mg	—	—	—	—	—
FSH	2 mg	—	0.25 mg	—	10 mg	—
GH	10 mg	5 mg	50 mg	10 mg	10 mg	—
GH, 20K Variant	1 mg	—	—	—	—	—
LH	5 mg	—	10 mg	5 mg	10 mg	—
PRL	2 mg	5 mg	50 mg	10 mg	5 mg	—
TSH	2 mg	—	1 mg	1 mg	—	—
Folliculostatin Reference Preparation	<i>n</i>	—	—	—	0.2 U	—
Insulin (guinea pig)	—	—	—	—	—	80 µg
Insulin (desoctapeptide)	—	—	—	—	100 µg	—
LH-FSH-RH (GnRH)	—	—	—	—	—	100 µg
LH-FSH-RH (GnRH)	—	—	—	—	—	10 µg
Porcine follicular fluid (bottle) ^a	—	—	—	—	500 ml	—
PTH (BIO)	—	—	—	1 mg	—	—
PTH (RIA)	—	—	—	2 µg	—	—
Relaxin	—	—	—	—	1 mg	—

PITUITARY GLANDS, FROZEN, HUMAN

U.S. Investigators only. Not for clinical investigation.

ANTISERA FOR IMMUNOCYTOCHEMISTRY (undiluted or in low dilution)

hGH natural, hGH synthetic, hPRL, hFSH β , hLH β , hTSH β , and hACTH

1 ampoule

rGH, rPRL, rFSH β , rLH β , rTSH β and mouse GH

1 ampoule

oLH β and oPRL

1 ampoule

OTHER ANTISERA

Mouse GH for RIA

1 ampoule

Aldosterone antiserum

1 ampoule

Somatomedin-C antiserum (polyclonal)

1 ampoule

Somatomedin-C antiserum (monoclonal)

1 ampoule

HYPOTHALAMI, LYOPHILIZED, RAT

MATERIALS THAT ARE AVAILABLE THROUGH THE COURTESY OF DR. A. F. PARLOW

The materials listed below may be obtained by writing directly to Dr. A. F. Parlow, Director, Pituitary Hormones and Antisera Center, Harbor-UCLA Medical Center, 1000 West Carson Street, Torrance, CA 90509. Phone: (213) 533-3537; Fax Phone: (213) 533-3432; BITNET: "PARLOW @ HARBORUC"

RIA Kits	Canine	Chicken	Equine	Hamster	Mouse	Rabbit
GH	1	1	1	—	RP	1
PRL	1	1	1	1	1	1
FSH	1	—	—	—	RP	1
LH	1	—	RP	—	—	1
TSH	—	—	1	—	RP	1

1, 1 kit; RP, reference preparation.

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