

Updated Announcement

National Institutes of Arthritis, Diabetes and Digestive and Kidney Diseases Research Materials Available to Qualified Investigators

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

Supplies of these materials may be obtained by submitting a one page letter IN DUPLICATE to : Dr. Salvatore Raiti, Director, National Hormone and Pituitary Program, Suite 201-9, 210 West Fayette Street, Baltimore, Maryland 21201 USA.

Applications (one page letter) must include: (a) a progress report and/or a recent publication list of results from materials previously awarded, (b) a description of the proposed use of materials, brief but sufficient to justify the kinds and amounts requested (c) evidence of experience with radioimmunoassay with all new requests for reagents for radioimmunoassay, (d) your correct mailing address, including country if outside the USA. (e) Letters from trainees must also be signed by a senior staff member.

Only one vial, or one kit, of the reagents, animal or human, for radioimmunoassay, is awarded at a time. Requests for large amounts of materials may be granted, subject to review by the Committee on Hormone Distribution.

Note: There is shipping and handling charge at the rate of \$12.00 per vial (or \$24.00 per kit) for all hormones or antisera. There is *no* handling charge for the following: bGH, bFSH, pLH, pGH, pPRL, hCG, hCG alpha and beta and its antisera, mFSH, mLH, rABP, and PMSG. No materials, where there is a handling and shipping charge, will be shipped *if not prepaid*. Monies must be sent in US dollars. Checks, etc. are to be made out to *National Hormone and Pituitary Program* and must accompany each request. Name of investigator should appear on all check vouchers and/or purchase orders. Purchase order can be accepted *only* from US universities or institutions.

FOR INVESTIGATORS WITHIN THE USA ONLY:

(a) *Biochemical Research*. hTSH, hLH, and hFSH are available in highly purified form and in quantities sufficient for biochemical studies.

(b) *Human pituitaries* in very limited numbers can be requested for specific research if the purified pituitary material is not otherwise available.

(c) *Clinical Research*. Human growth hormone (hGH) (14 IU/vial) and human luteinizing hormone (hLH) (2200 IU/vial) are available.

Application forms for the above and other human pituitary hormones for chemical and other studies are obtainable by writing to Dr. Raiti.

	Human RIA Vials			Rat RIA Vials			Biol	Ovine RIA Vials			Biol	Bovine RIA Vials		Biol	Porcine RIA Vials		Biol
	H	AS	RP	H	AS	RP		H	AS	RP		H	AS		H	AS	
GH	1**	1	1	1§	1	1	5 mg	1	1	—	50 mg	1¶	—	10 mg	1¶	—	10 mg
PRL	1†	1	1	1§	1	1	5 mg	1§	1	—	50 mg	1¶	—	10 mg	1¶	—	10 mg
FSH	1†	1	1	1†	1	1	5 mg	1†	1	1	0.25 mg	5‡‡	—	3.3 mg	5‡‡	—	10 mg
LH	1§	1	1	1†	1	1	—	—	—	—	5 mg	1	—	5 mg	1¶	—	10 mg
TSH	1§	1	1	1†	1	1	—	1*	1	—	—	1*	1	1 mg	1	—	—
ACTH	1*	1	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—

AS = antiserum; RP = reference preparation.

* 50 µg. †100 µg. ‡300 µg. §400 µg. ||500 µg. ¶1 mg. **2 mg. ††5 mg. ‡‡25 µg.

Miscellaneous	
<u>Human</u>	
PL	1 vial††
PL AS	1 vial
CG	1 vial†
CG AS	1 vial
β-LPH	1 vial‡
β-LPH AS	1 vial
β-LPH RP	1 vial
<u>Neurophysins</u>	
ESN	1 kit (no reference preparation)
NSN	1 kit
Somatomedin-C AS*	1 vial
Somatomedin-C RP†	1 vial
Antialdosterone serum	5 ml
bPTH(RIA)	2 μg
bPTH(Bio)	1 mg
<u>Canine</u>	
GH	1 kit
PRL	1 kit
<u>Rabbit</u>	
GH	1 kit
PRL	1 kit
LH	1 kit
FSH	1 kit
TSH	1 kit
<u>Mouse</u>	
GH(RIA)	0.1 mg
PRL	1 kit
TSH RP only	1 vial
<u>Monkey</u>	
FSH(RIA) non-human primate	1 kit
Hemagglutination inhibition for rhCG	1 kit
LH(RIA)	1 kit
<u>Rat</u>	
Hypothalamic extract	250 ME
ABP‡	1 kit
<u>Other</u>	
LH-FSH-RH	100 μg, 10 mg
Relaxin	1 mg
PMSG	2000 IU
Labeled Somatomedin-C for RIA for non-human species (USA only)	
<u>Antisera for Immunocytochemistry</u>	
hGH, hPRL, hFSH β, hLH β, hTSH β, rPRL	1 vial
<u>Insulin, etc.</u>	
Chicken insulin	100 μg
Guinea pig insulin	80 μg
Porcine desoctapeptide insulin	100 μg

Subunits (Kits)	
oLHα	1
oLHβ	1
hCGα	1*
hCGβ	1*
hTSHα	1*
hTSHβ	1*
hFSHα	1*
hFSHβ	1*
hLHα	1*
hLHβ	1†
rLHα	AS only
rLHβ	1
rTSHβ	1
hCGα	2-5 mg
hCGβ	2-5 mg

o = ovine; h = human; r = rat; AS = antiserum.

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§§ You must have Somatomedin-C for labeling before you can apply for the antiserum.

||| Two types of reference preparation for Somatomedin-C: (a) lyophilized acromegalic serum, and (b) acid chromatographed acromegalic plasma.

†† These will be shipped in the frozen state by air express. Overseas investigators must supply the following additional information for shipping purposes: (1) Telex number, (2) point or city of entry of materials into that country.

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