Advanced Bioscience Resources, inc.

APPLICATION FOR THE ACQUISITION OF

HUMAN FETAL TISSUE FOR RESEARCH

All requests for human fetal tissue are reviewed for feasibility of procurement and preparation. When approved, an individual protocol will be developed for the procurement, preparation and delivery of tissue samples, based on the information provided in this application and any subsequent communication.

I. A	PPLICANT INFORMATION		
NAME:	Kim J Hasenkrug		BILLING INFORMATION:
TITLB:	_Senior Investigator		Kim J Hasenkrug
COMPAN	Y:NIAID, NIH		Rocky Mountain Labs
ADDRESS			903 S. 4th St
ADDRESS	3: _903 S. 4th St	ADDRESS:	
CITY,ST,ZIP: _Hamilton, MT 59840 PHONE #:406-363-9310 ALT. #: FAX #: 406-363-9286			Hamilton, MT 59840
		P.O. # (if required by your company):	
EMAIL: khasenkrug@nih.gov DELIVERY OPTIONS:x_ Same Day: Commercial carrier, hand delivered Maximizes cell viability (geographical limits) Next Day: Pickup, delivery Mon-Sat daytime		Credit Card #:	quired to submit application
		Name on CC: Expiration Date	:VJSA/MC
Economical for fresh, frozen specimens		SHIP TO:	Kim J Hasenkrug
Applicant	will be charged for delivery fees.		_Rocky Mountain Labs
Applicant i	may designate preferred carrier:		903 S. 4th St
Carrier Nat Account #:			_Hamilton, MT 59840
Piesse indi	cate how you heard about ABR: (b)(6)		
II. H	UMAN FETAL TISSUE		
Tissue spe	cimens requested:thymus, liver, cord blood	i	·
Pro Pro	eferred gestational age (6-24 weeks):17-19 oposed starting date;May, 2010	wks	
CONTAGI Applicant i	OUS DISEASE SCREENING: Availability of requires the following tests to be performed by	test results varies f ABR:	from 24 hours to 7 days after procurement.
;	X No testing required HIV HBS CM	DAS	HSV RPR HCV OTHER

III. PRESERVATION

ABR uses BioWhittaker RPMi-1640 With L-Glutamine for tissue preparation, preservation and shipment. Applicant may supply ABR with other media specific to research needs. Please indicate preference below.

	PRESERVATION METHODS X Fresh; shipped Passive freezi "Snap" freezi		ry ice	_ Media provided by applicant Media provided by ABR (RPMI)	
IV.	DONOR INFORMATIO				
	ENT VERIFICATION: Consent lely confidential in nature and sha			cimen procurement. The consent is	
SPEC specifi	IFIC DONOR INFORMATION: ic information sought and indicate	Charts are routinely examine contraindications to specin	ied for patient n nen procutemen	nedical histories. Please identify any to	
	HIV+ status contraindicates p	rocurement			-
v.	– RESEARCH DATA				
TITL! protect	E OF RESBARCH PROJECT: tion against HIV-1 in humanized	The role of virus-spec	ific CD4+T (cells, CD8+ T cells and antibody in vac	:cin
researce tissue Update as pro- patente ABR (th intent. (Please attach a brief solely for research purposes and t es on research progress will be req mptly after the completion of the s or copyrights necessary to protes	synopsis of the research o acknowledge ABR in any uested at six-month intervale research as is reasonably at its ownership or controld the date of the issue in v	project named publications results. Researchers possible witho of the results of which the results.	arch funding, and a short summary of above.) Researchers must agree to use sulting from the use of ABR provided tis agree to publish the results of the researt jeopardizing the sponsor's right to set the research. Researchers agree to into will be published. It is the intent of neans of publication.	e thessue carel cour form
VI.	SOURCE OF FUNDING	3			
	identify the primary source of fur X Other Federal or State Gra		ants Ot	her (specify)	_
other conditi express	conditions on the reverse side, a lons by applicant. The entire a	and the signature of the apagreement between ABR as incation of or addition ther	pplicant shall c nd applicant rel	icant in accordance with the terms and onstitute acceptance of all such terms ating to the services provided by ABI no force or effect unless it is in writing	ane Ri
	IGNING BELOW, THE APPLI HE FOLLOWING PAGE AND			EAD THE TERMS AND CONDITION NDITIONS.	48
	kin I Hasenleyen			,	
_Senic SION	or Investigator	ANT	DATE 11/2/2	009	
CON	DITIONS OF SERVICES	Please return to:	ISI6 OAK ST ALAMBDA, C Telephone: St Fax: SI	BIOSCIENCE RESOURCES, INC. TREET, SUITE 303 CALIFORNIA 94501 10-865-5872 10-865-4090 or@abr-inc.comTERMS AND	

I. Services

During the term of this agreement, and pursuant to the terms and conditions hereinofter set forth. ABR will use its bost offorts to provide services in connection with supplying researcher with the types of human tissues set forth in this application, as approved

by ABR, suitable for researcher requirements and in the amounts requested based upon engoing discussions between researcher and ABR pursuant to the information sent by ABR.

1.2 Researcher acknowledges and agrees that ABR will provide the following types of services:

Removing tissuc.

Preserving and processing tissue to a form suitable to the researcher needs.

Seeking consent for tissue donations from appropriate individuals, obtaining validly executed consent forms, and maintaining records of such consents in accordance,

Obtaining, labeling, storing, and delivering samples of donor or other required zerum, and maintaining a system for matching such samples to specific tissue donations.

Preserving tissue viability and cleanliness during removal, processing, preservation, storage and transportation.

Storing tissue and transporting it to researcher in accordance with acction 5.

- 1.3 In the event that tissues of the type specified in the application become unavailable to ABR, such that ABR is unable to perform the contemplated services, ABR shall have no obligation to perform such services.
- 2. Representations and Warranties. ABR hereby represents and warrants to researcher that (I) ABR will make no payments to anyone for any tissue transferred in connection with this agreement, and (ii) ABR will verify for each itssue delivery that appropriate consent was obtained for use of such tissue and any associated serum samples, and that adequate records of such consent are maintained; provided, however, that the parties hereto acknowledge and agree that such consents are extremely confidential in nature and shall not, in any case, be communicated to researcher. Researcher hereby represents and warrants to ABR that (i) researcher will neither self nor transfer for valuable consideration any lissue received through ABR to anyone, (II) researcher will use the tissue only to satisfy its objectives, which are, as acknowledged and agreed hereto, [research and clinical use], (iii) researcher agrees to inform ABR of any changes in clinical or research use of specimens received from ABR, or in any specifications, constraints, etc. In a timely manner, and (IV) researcher understands the bio-hazardous nature of human tissue and agrees to take proper precautionary measures at all times when handling tissue specimen.
- 3. Tarms. The terms of this agreement shall be for one (1) year, beginning from the date hereof, and terminating one (1) year thereafter, unless either of the parties heret shall have given to the other thirty (30) days written notice of its intention to terminate this agreement, whereupon same shall terminate thirty (30) days after date of said notice.

In default of notice as aforesald from either party hereto, this agreement shall continue for further successive terms of one (1) year thereafter and in default of thirty (30) days written notice before the end of an annual term by either of the parties of its intention not to renew, whereupon this agreement shall terminate at the end of said term.

- 4. <u>Paymenta.</u> Researcher agrees to pay to ADR a fee for costs incurred by ABR in providing services in connection with the acquisition of each sample of tissue requested by researcher, to be mutually agreed upon by ABR and researcher upon approval of this agreement by ABR.
- 5. Shloment services.
- 5.1 All shipments will be made as soon as possible after request has been received by ABR from researcher.
- 5.2 Researcher acknowledges that networks of tissue availability are noither permanent nor dependable, but rather they fluctuate. However, ABR shall use its best efforts to transfer the tissue in the amounts requested by researcher.
- 5.3 Shipment will be made in the best possible manner so as to preserve the quality of the itssues. It is understood that the fragility of human tissue is such that damage may occur during shipment. ABR will use its best efforts to comply with the handling and shipment protocols provided by researcher.
- 5.4 ABR will package the tissue appropriately and, if so requested by researcher, will insure the shipment. Researcher agrees to bear all costs associated with insurance and shipment of any tissue.
- 5.5 The risk of loss and damage of any tissue or organs shall pass immediately to researcher when the shipment of such tissue or organs is deposited with a carrier for transportation at the F.O.B. point.
- 6. Limitation of Hability. ABR shall not be responsible or flable under any section of this agreement or under any contract, negligence, strict liability or other logal or equitable theory, for the cost of procurement of substitutive services, or any indirect, incidental or consequential damages including, but not limited to loss of revenues and loss of profits. Any liability of ABR under any theory whatsoever will be limited exclusively to the provision of equivalent services by ABR or, if unenforceable, to payment of an amount not greater than any amount setually received by ABR from researcher on account of this agreement.
- 7. No warrantles. It is understood that human tissue is by nature noither permanent nor dependable. Except as expressly set forth in this agreement, ABR makes no representation of any kind, expressed or implied, including any representation with respect to the safety, efficacy or merchantability or the fitness for any purpose with respect to the tissue transferred to researcher in connection with this agreement.
- 8. <u>Indemnification</u>. Researcher shall indemnify, defend and hold ABR harmless from and against all claims, causes of actions, suits, demages and costs arising out of, resulting from, or otherwise in respect of, the use of itssue transferred in connection with this agreement, except where such claims are the result of negligence of ABR, its employees, staff or agents to (i) comply with any governmental requirements, or (ii) adhere to the terms of this agreement.

9. Qeneral. This agreement shall be governed by and interpreted under the laws of the State of California, excluding rules of conflicts of faw. This agreement may not be assigned by either party without the prior written consent of the other.