U.S. NUCLEAR REGULATORY COMMISSION

Amendment No. 09

MATERIALS LICENSE

Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 93-438), and Title 10, Code of Federal Regulations, Chapter I, Parts 30, 31, 32, 33, 34, 35, 36, 39, 40, and 70, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, possess, and transfer byproduct, source, and special nuclear material designated below; to use such material for the purpose(s) and at the place(s) designated below; to deliver or transfer such material to persons authorized to receive it in accordance with the regulations of the applicable Part(s). This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, as amended, and is subject to all applicable rules, regulations, and orders of the Nuclear Regulatory Commission now or hereafter in effect and to any conditions specified below. MC 03620 57352

Licensee	In accordance with application dated **September 7, 2010,**
1. Gold Biotechnology, Inc.	3. License number 24-26225-01 is amended in its entirety to read as follows:
2. 10748 Indianhead Industrial Blvd. St. Louis, MO 63132	4. Expiration date March 31, 2011
	5. Docket No. 030-31844 Reference No.

6. Byproduct, source, and/or special nuclear material	7. Chemical and/or physical form	8. Maximum amount that licensee may possess at any one time under this license
A. Phosphorus-32	A. Any	A. 20 millicuries

9. Authorized Use:

A. To be used for tracer studies and in vitro laboratory testing.

CONDITIONS

10. Licensed material shall be used only at the licensee's facilities located at **1328 Ashby Road, St. Louis, Missouri**

11. Licensed material shall be used by, or under the supervision of, Paul Gold, Ph.D.

12. The Radiation Protection Officer for the activities authorized by this license is Paul Gold, Ph.D.

13. Licensed material shall not be used in or on human beings or in products distributed to the public.

14. The licensee is authorized to hold radioactive material with a physical half-life of less than 65 days for decay-in-storage before disposal in ordinary trash provided:

A. Before disposal as ordinary trash, byproduct material shall be surveyed at the container surface with the appropriate survey meter set on its most sensitive scale and with no interposed shielding to determine that its radioactivity cannot be distinguished from background. All radiation labels shall be removed or obliterated.

B. A record of each disposal permitted under this License Condition shall be retained for three years. The record must include the date of disposal, the date on which the byproduct material was placed in storage, the radionuclides disposed, the survey instrument used, the background dose rate, the dose rate measured at the surface of each waste container, and the name of the individual who performed the disposal.

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License Number
24-26225-01

Docket or Reference Number
030-31844

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15. The licensee's survey instruments shall be calibrated by persons specifically licensed by the NRC or an Agreement State to calibrate survey instruments as a service.

16. The licensee shall perform monthly wipe tests of areas where radioactive material is used. Results shall be recorded in disintegrations per minute.

17. **The licensee is authorized to transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."**

18. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents including any enclosures, listed below. The Nuclear Regulatory Commission's regulations shall govern unless the statements, representations and procedures in the licensee's application and correspondence are more restrictive than the regulations.

    A. Applications dated September 11, 2000 (with attachments), May 31, 2005 **and September 7, 2010.**

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date OCT 05 2010

By _____
James R. Mullauer, M.H.S.
Materials Licensing Branch
Region III