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FOR IMMEDIATE RELEASE

**Transgenomic Receives Accreditation from
College of American Pathologists**

Omaha, NE, December 9, 2008 – Transgenomic, Inc. (OTC-Bulletin Board: TBIO.OB) today announced that its laboratory has been awarded an accreditation by the Commission on Laboratory Accreditation of the College of American Pathologists (CAP), based on the results of a recent on-site inspection. Transgenomic is now one of the more than 6,000 CAP-accredited laboratories nationwide.

Craig Tuttle, CEO of Transgenomic, said, “We are pleased to receive CAP-accreditation as further validation of our laboratory service offerings, which we are expanding by leveraging our base business of instruments and consumables with our related expertise in high sensitivity mutation detection analysis. We plan to immediately pursue the benefits of the accreditation in our pursuit of projects and revenue growth. We are confident that CAP accreditation will put Transgenomic on the map as a laboratory with the highest standard in molecular diagnostics.”

The CAP Laboratory Accreditation Program, begun in the early 1960s, is recognized by the federal government as being equal to or more stringent than the government’s own inspection program. During the CAP accreditation process, inspectors examine the laboratory’s records and quality control of procedures for the preceding two years. CAP inspectors also examine the entire staff’s qualifications, the laboratory’s equipment, facilities, safety program and record, as well as the overall management of the laboratory. This stringent inspection program is designed to specifically ensure the highest standard of care for the laboratory’s patients.

About the College of American Pathologists

The College of American Pathologists is a medical society serving nearly 16,000 physician members and the laboratory community throughout the world. It is the world’s largest association composed exclusively of pathologists and is widely considered the leader in laboratory quality assurance. The CAP is an advocate for high-quality and cost-effective medical care.

About Transgenomic

Transgenomic is a global biotechnology company that provides unique products and services of automated high sensitivity genetic variation and mutation analysis. Their offerings include systems, products, discovery and laboratory testing services to the academic and medical research, clinical laboratory and pharmaceutical markets in the fields of Pharmacogenomics and personalized medicine. Specific offerings include WAVE® DHPLC Systems, related consumables and assay kits, Cytogenetics automated systems, and Transgenomic Pharmacogenomics and Reference Laboratory Services. Transgenomic Pharmacogenomics and Laboratory Services utilize their technology and expertise to provide a menu of mutation scanning tests for over 700 cancer-associated genes and more than 60 validated diagnostic tests to



meet the needs of pharmaceutical and biotech companies, research and clinical laboratories, physicians and patients. For more information about the innovative systems, products and services offered by Transgenomic, please visit: www.transgenomic.com.

Transgenomic Cautionary Statements

Certain statements in this press release constitute “forward-looking statements” of Transgenomic within the meaning of the Private Securities Litigation Reform Act of 1995, which involve known and unknown risks, uncertainties and other factors that may cause our actual results to be materially different from any future results, performance or achievements expressed or implied by such statements. Forward-looking statements include, but are not limited to, those with respect to management’s current views and estimates of future economic circumstances, industry conditions, company performance and financial results, including the ability of the Company to grow its involvement in the diagnostic products and services markets. The known risks, uncertainties and other factors affecting these forward-looking statements are described from time to time in Transgenomic’s reports to the Securities and Exchange Commission. Any change in such factors, risks and uncertainties may cause the actual results, events and performance to differ materially from those referred to in such statements. Accordingly, the company claims the protection of the safe harbor for forward-looking statements contained in the Private Securities Litigation Reform Act of 1995 with respect to all statements contained in this press release. All information in this press release is as of the date of the release and Transgenomic does not undertake any duty to update this information, including any forward-looking statements, unless required by law.