

Molecular diagnostics of cancer

Springer-Verlag - Molecular diagnostics



Description: -

- Tumor Markers, Biological -- congresses.
 - Oncogenes -- congresses.
 - Neoplasms -- genetics -- congresses.
 - Neoplasms -- diagnosis -- congresses.
 - Cytogenetics -- methods -- congresses.
 - Polymerase chain reaction.
 - Tumor markers -- Diagnostic use.
 - Molecular probes -- Diagnostic use.
 - Cancer -- Genetic aspects.
 - Cancer -- Molecular diagnosis.
 - Molecular diagnostics of cancer
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- Notes: Includes bibliographical references and index.
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Molecular Diagnostics: Current Roles in Cancer Diagnosis and Patient Management

The test is performed on colon cancer tissue removed during surgery. Rather, it is intimately tied to molecular and cell biology and the central paradigm of molecular biology—that genes code for proteins. Patients will be tested with this molecular diagnostic before treatment to see if they will respond to the new drug.

Molecular diagnostics

It is now unusual to read a paper in any of the major medical journals that does not include some molecular procedure in its Materials and Methods section, while a new generation of journals, books, and professional societies devoted entirely to molecular diagnostics has emerged.

Molecular Detection and Analysis of Cancer

These types of tests have been available for many years and are routinely performed on patient samples.

CISN

Most importantly, we have yet to adequately address the relationship between genetic changes in cancer cells and the clinical behavior of the disease.

Molecular Detection and Analysis of Cancer

GeneChip® analysis employs a small quartz chip to which known fragments of DNA are attached. These assays are sensitive and specific and can detect RSV, HMPV, influenza, HRVs, and HCoVs and differentiate all four PIV subtypes. Most of the companies are listed with results from the first three quarters of 2016 and fourth quarter of 2015, since fourth-quarter and full-year 2016 results were not available at deadline.

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