

# Chemo Sensitivity Testing

## What is Sensitivity Testing?

Chemo sensitivity testing takes a sample of tissue or fluid from the tumor itself and tests chemo therapeutic agents in a lab before a chosen agent or combination is introduced to the body. This allows an oncologist to better predict how a tumor will react to the specific protocols before prescribing them. If the therapy kills the cancer cells, the oncologist knows it will do the same once it is introduced to your body. If it does not, then that treatment is given a lower priority in favor of other, more effective treatments.

This is important because standard treatments often do not work, and because chemo therapeutic agents have harsh and toxic side effects that can also last long after the treatment is over. Prioritizing these choices helps you get on the right treatment and avoid unnecessary side effects from treatments that may not work.



## Are there types of Sensitivity Testing?

Yes. Chemo sensitivity (or resistance) typically tests and prioritizes 7-21 chemotherapeutic agents that are commonly prescribed to the

cancer indication. Results are usually available within 7-10 working days. On the other hand, a Drug Screening Panel (or organoids) is also available, and tests over a hundred drug interactions with live tumor tissue. These tests include chemo therapeutic agents, targeted drugs and immunotherapy drugs to find the right combination of drugs and therapies to treat recurring or chemo-resistant cancers. Results are often available in 2 to 12 weeks.

Who is a good candidate?

Every patient can benefit from knowing how chemotherapy will affect their tumor before consenting to treatment. After all, there is nothing more disheartening than enduring the toxic side effects of chemo only to discover the cancer has not responded.

More specifically patients:

- with aggressive disease or disease of unknown origin
- with advanced stage cancer or metastasis
- where the cancer has recurred
- whose cancer is not responding to traditional treatments
- with multiple treatment options
- experiencing too many side effects from my current treatment
- being told that there are no other treatment options available to me
- that have or (or think they may have) developed resistance to their current treatment

Armed with live tumor tissue or fluid, your treatment team can customize a therapy that will offer you the best chance for recovery.



## FREE GUIDE: Tumor Storage & Advanced Cancer Care

Understand how storing your tumor can change your treatment path.

Why timing matters? What you need to know? How to preserve your tumor safely?

☐ Enter your email to get the free guide:

[Schedule a Call Back](#)

## Our Services

### Tumor Preservation

#### (Step 1)

Preserve your cancer cells/tissue (in multiple formats) for advanced testing and study, either immediately or at a later time.

## Advanced Testing

### Personalized Chemo / Drug Therapy

Test and prioritize which chemo or drug combination your tumor is most likely to respond to before treatment begins.

### Targeted Therapy (Genomic Testing)

Identify approved and experimental drugs that target specific biomarkers present in your tumor.

## Immune Therapy

### Personalized Vaccines

Activate and train your immune system to recognize and fight your cancer from within and in parallel.

### Adoptive T-Cell Therapy

Boost and strengthen the natural ability of your T-cells (killer cells) to attack and destroy cancer cells.