

Technetium White Blood Cell Study

Tell your doctor if you are pregnant or breastfeeding.

You have scheduled a White Blood Cell study. This study uses a small amount of radioactive material. The level of radioactivity used is extremely low and has no side effects.

What happens during the study?

This is a 3-part study.

Part 1:

- We will draw your blood. Your white blood cells are then tagged with a small amount of radioactive material.

Part 2 (2 hours later):

- We inject your tagged white blood cells into a vein in your arm.

Part 3 (1-4 hours after injection):

- We will take painless images for approximately 1-2 hours.
- We will position you on an imaging table, under a special detector called a gamma camera. The camera will be close to the part of your body being imaged. The camera does not produce any radiation and will not cause any pain or discomfort.
- You may also receive a CT scan as part of this exam to aid the physicians in interpreting your images.
- We may also need images 24 hours after injection.

Disclaimer: This document contains information and/or instructional materials developed by University of Michigan (U-M) Health for the typical patient with your condition. It may include links to online content that was not created by U-M Health and for which U-M Health does not assume responsibility. It does not replace medical advice from your health care provider because your experience may differ from that of the typical patient. Talk to your health care provider if you have any questions about this document, your condition, or your treatment plan.

Author: Regen Newton, AAS, CNMT

Reviewers: Regen Newton, AAS, CNMT; Robert Ackermann, BS, CNMT; Benjamin Viglianti, MD, PhD

Patient Education by [U-M Health](#) is licensed under a [Creative Commons Attribution-NonCommercial-ShareAlike 4.0 International Public License](#). Last Revised 06/2022