



Life Scan Annual Firefighter Physical:

Advanced Blood Markers for Cancer and Diseases:

Male panel: AFP, CEA, CA19-9, CA-15-3, Amylase/Lipase

Female panel: AFP, CEA, CA19-9, CA15-3, Amylase/Lipase

CEA: Carcinoembryonic antigen (CEA) is a protein associated primarily with diseases of the colon as well as other organs of the gastrointestinal tract. The marker is also associated with breast and lung cancer. It is approved for use in the management (monitoring) of patients with colorectal cancer.

CA 15-3: CA 15-3 (Cancer Antigen 15-3) is the breast cancer marker.

High rates can also apply to other cancers: colon, stomach, kidney, lung, ovary, uterus, pancreas, and liver.

CA 19-9: CA 19-9 (Cancer Antigen 19-9) is a protein associated primarily with colorectal cancer as well as pancreas cancer, stomach cancer, and bile duct cancer. It is approved for use in the monitoring of patients with pancreatic cancer.

AFP: AFP (Alpha-1-Fetoprotein (AFP) is a liver associated protein that is generally elevated in liver disease including viral hepatitis, cirrhosis of the liver and liver cancer as well as testicular and ovarian cancers. It is often used to monitor cancer progression.

Amylase/Lipase: Amylase and lipase are key digestive enzymes. Amylase helps your body break down starches. Lipase helps your body digest fats. The pancreas is a glandular organ that sits behind the stomach and produces digestive juices that empty into the small intestine. The pancreas also produces both amylase and lipase, as well as many other enzymes. Inflammation of the pancreas, also called pancreatitis, commonly causes high levels of amylase and lipase in the bloodstream. Amylase and lipase tests are used to detect pancreatitis which could result in pancreatic cancer.

PSA (Prostate Specific Antigen, men) is a standard test in Life Scan Firefighter Physicals

CA-125 (Ovarian Cancer Antigen, women) is a standard test in Life Scan Firefighter Physicals

All additional tests are available for Life Scan patients. They will be ordered by the Life Scan medical team and the results will be interpreted and reviewed with the patients during their Life Scan physicals. These are not meant to be stand-alone tests but an integrated component of the complete Life Scan physical exam.