

t bone nutrition facts

t bone nutrition facts provide valuable insights into the dietary benefits and considerations of this popular cut of beef. The T-bone steak, known for its distinctive T-shaped bone, combines two types of meat: the tenderloin and the strip steak. Understanding its nutritional profile is essential for those aiming to incorporate it into a balanced diet. This article explores the macronutrient composition, vitamin and mineral content, health implications, and cooking considerations related to T-bone steak. Additionally, comparisons with other cuts of beef and tips for maximizing nutritional value will be discussed. By examining these aspects, readers will gain a comprehensive understanding of how T-bone steak fits into various dietary plans and fitness goals.

- Macronutrient Profile of T-Bone Steak
- Vitamins and Minerals in T-Bone
- Health Benefits and Considerations
- Comparison with Other Beef Cuts
- Cooking Methods and Their Impact on Nutrition

Macronutrient Profile of T-Bone Steak

The macronutrient composition is a critical aspect of the **t bone nutrition facts** as it determines the steak's role in energy provision and muscle maintenance. T-bone steak is a rich source of protein, offering essential amino acids needed for tissue repair and growth. It also contains varying amounts of fat, which contribute both to flavor and caloric content.

Protein Content

T-bone steak typically contains approximately 22 to 26 grams of protein per 3-ounce cooked serving. This high protein content supports muscle synthesis and metabolic functions. The protein in T-bone steak is complete, meaning it contains all nine essential amino acids required by the human body.

Fat Content and Types

The fat content in T-bone steak ranges between 12 and 20 grams per 3-ounce cooked portion, depending on trimming and cooking methods. This includes saturated fats, monounsaturated fats, and small amounts of polyunsaturated fats. While saturated fat has

been scrutinized, moderate consumption within a balanced diet is considered acceptable.

Caloric Value

Due to its protein and fat content, a typical 3-ounce serving of T-bone steak contains approximately 210 to 280 calories. The calorie count can increase with added cooking fats or sauces. Managing portion sizes is important when including T-bone steak in calorie-controlled diets.

Vitamins and Minerals in T-Bone

T-bone steak is not only a source of macronutrients but also provides essential micronutrients that support overall health. These include various vitamins and minerals naturally present in beef.

Iron and Its Importance

One of the key minerals found in T-bone steak is iron, primarily in the heme form, which is highly bioavailable. Iron is crucial for oxygen transport in the blood and energy metabolism. A 3-ounce serving can supply about 15% to 20% of the recommended daily iron intake for adults.

Zinc and Immune Support

Zinc is another abundant mineral in T-bone steak, playing a vital role in immune function, wound healing, and DNA synthesis. Consuming T-bone steak helps meet daily zinc requirements, which is especially important for maintaining immune health.

B Vitamins

T-bone steak is a rich source of several B vitamins, including B12, niacin (B3), riboflavin (B2), and B6. These vitamins contribute to energy production, red blood cell formation, and nervous system health. Vitamin B12, in particular, is predominantly found in animal products like beef.

Health Benefits and Considerations

Understanding the health implications of T-bone steak consumption is essential for informed dietary choices. While it offers nutritional benefits, moderation and preparation methods influence its overall impact on health.

Supports Muscle Growth and Repair

The high-quality protein content in T-bone steak makes it an excellent choice for athletes and individuals seeking to build or maintain muscle mass. Amino acids from beef facilitate muscle protein synthesis and recovery.

Potential Cardiovascular Considerations

Due to its saturated fat content, excessive consumption of T-bone steak may contribute to elevated cholesterol levels in some individuals. Choosing leaner cuts, trimming visible fat, and balancing intake with plant-based foods can mitigate these risks.

Rich Source of Nutrients for Anemia Prevention

The iron content in T-bone steak helps prevent iron-deficiency anemia, a common nutritional disorder. Including this steak in the diet can improve iron status, particularly for individuals with higher iron needs.

Comparison with Other Beef Cuts

Comparing T-bone steak to other cuts provides perspective on its unique nutritional profile and suitability for various dietary needs.

Versus Ribeye

Ribeye steak generally contains a higher fat content than T-bone steak, resulting in more calories and a richer flavor. T-bone offers a balance between tenderness and leanness, making it a versatile choice.

Versus Sirloin

Sirloin steak tends to be leaner than T-bone, with lower fat and calorie content. It provides substantial protein but may lack some of the flavor and texture characteristics of T-bone due to less marbling.

Versus Filet Mignon

Filet mignon, cut from the tenderloin portion, is the most tender but also leanest cut. T-bone includes a portion of tenderloin but combines it with the strip steak, offering a mix of textures and flavors along with moderate fat content.

Cooking Methods and Their Impact on Nutrition

The way T-bone steak is prepared can significantly influence its nutritional value and healthfulness.

Grilling

Grilling is a popular method that allows fat to drip away from the meat, potentially reducing total fat content. However, care should be taken to avoid charring, which can produce harmful compounds.

Pan-Searing and Broiling

These methods retain more juices and fats within the steak but may increase calorie content. Using minimal added fats and avoiding overcooking helps preserve nutrients and maintain a healthier profile.

Marinating and Seasoning

Marinating T-bone steak with herbs, spices, and acidic ingredients like lemon juice can enhance flavor without adding calories. It may also reduce the formation of harmful compounds during cooking.

- Choose lean cuts and trim excess fat
- Use healthy cooking oils sparingly
- Avoid charring or burning the meat
- Incorporate vegetables to balance the meal
- Control portion sizes to manage calorie intake

Frequently Asked Questions

What are the basic nutrition facts of a T-bone steak?

A typical 3-ounce cooked T-bone steak contains approximately 210 calories, 22 grams of protein, 14 grams of fat, and 0 grams of carbohydrates.

Is a T-bone steak a good source of protein?

Yes, T-bone steak is an excellent source of high-quality protein, providing around 22 grams per 3-ounce serving, which supports muscle growth and repair.

How much fat is in a T-bone steak?

A 3-ounce cooked T-bone steak contains about 14 grams of fat, including both saturated and unsaturated fats.

Does a T-bone steak contain any carbohydrates?

No, T-bone steak contains 0 grams of carbohydrates, making it suitable for low-carb and ketogenic diets.

What vitamins and minerals can I get from a T-bone steak?

T-bone steak is rich in essential nutrients such as iron, zinc, vitamin B12, niacin, and phosphorus.

How does the calorie content of T-bone steak compare to other beef cuts?

T-bone steak has a moderate calorie content compared to fattier cuts like ribeye, but is higher in calories than leaner cuts like sirloin.

Is T-bone steak high in cholesterol?

Yes, T-bone steak contains cholesterol, with about 70-80 mg per 3-ounce serving, so it should be consumed in moderation by those monitoring cholesterol levels.

Can T-bone steak be part of a balanced diet?

Yes, when eaten in moderation and balanced with vegetables and whole grains, T-bone steak can be part of a healthy diet providing protein and essential nutrients.

How does cooking affect the nutrition of a T-bone steak?

Cooking T-bone steak can reduce its fat content slightly as some fat melts away, but it generally maintains its protein and mineral content.

Is T-bone steak suitable for a low-carb or ketogenic diet?

Yes, since T-bone steak contains virtually no carbohydrates and is high in protein and fat,

it is well-suited for low-carb and ketogenic diets.

Additional Resources

1. *The Ultimate Guide to T-Bone Steak Nutrition*

This comprehensive book dives deep into the nutritional profile of T-bone steaks, exploring protein content, vitamins, minerals, and calorie counts. It also compares T-bone steak with other cuts of beef and offers advice on how to incorporate it into a balanced diet. Readers will gain a solid understanding of the health benefits and potential concerns related to T-bone consumption.

2. *Understanding Beef: Nutrition Facts of T-Bone and Beyond*

Focused on various beef cuts, this book highlights the specific nutritional facts related to T-bone steak. It discusses fat composition, cholesterol levels, and how these nutrients affect health. The book also provides tips for selecting and cooking T-bone steaks to maximize nutritional value.

3. *T-Bone Steak: A Nutritional and Culinary Exploration*

Combining nutrition science with cooking techniques, this title offers insights into the nutritional makeup of T-bone steak and how different preparation methods impact its health benefits. It includes recipes that retain the steak's nutrients while enhancing flavor, making it ideal for food enthusiasts and health-conscious readers alike.

4. *Meat Matters: The Nutrition Facts Behind the T-Bone*

This book presents an in-depth analysis of the T-bone steak's nutrient content, including protein quality, saturated fat levels, and micronutrients like iron and zinc. It evaluates the role of T-bone steak in various diets, from keto to paleo, providing evidence-based guidance for consumers.

5. *T-Bone Nutrition Handbook: Facts, Myths, and Health Tips*

Addressing common misconceptions, this handbook clarifies the true nutritional value of T-bone steak. It separates myths from facts regarding fat content, cholesterol, and the steak's impact on cardiovascular health. Additionally, it offers practical tips for enjoying T-bone steak as part of a balanced lifestyle.

6. *The Science of Steak: Nutrition Facts About T-Bone Cuts*

Delving into the biochemistry of T-bone steak, this book explains how its nutrients interact within the human body. It covers amino acid profiles, vitamin retention during cooking, and how T-bone steak supports muscle growth and recovery. The scientific approach makes it a valuable resource for athletes and nutritionists.

7. *Healthy Eating with T-Bone Steak: Nutrition Facts and Recipes*

This book blends nutritional information with delicious recipes that promote health and wellness. It outlines the benefits of T-bone steak's nutrient density and suggests ways to prepare it with wholesome sides. Ideal for readers seeking to enjoy steak without compromising their dietary goals.

8. *T-Bone Steak Nutrition: A Practical Guide for Meat Lovers*

Designed for everyday readers, this practical guide simplifies complex nutrition facts about T-bone steak. It includes portion size recommendations, calorie tracking tips, and

advice on balancing steak consumption with other protein sources. The approachable style encourages mindful eating habits.

9. *The Complete T-Bone Nutrition Facts and Cooking Companion*

This all-in-one resource combines detailed nutrition facts with cooking techniques tailored to preserve the steak's health benefits. It features sections on selecting quality cuts, understanding labels, and avoiding common pitfalls in preparation. Perfect for both novice cooks and seasoned chefs interested in nutrition.

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t bone nutrition facts: The NutriBase Nutrition Facts Desk Reference , 2001 From abalone to zucchini, this easy-to-use reference provides information that helps monitor the nutritional intake of thousands of food products.

t bone nutrition facts: Basic Nutrition Facts Judith V. Anderson, 1989 Abstract: This reference book on nutrition is a concise summary of basic nutrition information to aid health professionals and educators who help consumers make informed food choices. This edition is a compilation of accepted nutrition knowledge and agreed-upon scientific opinions of a wide variety of health professionals in Michigan. This publication is intended to serve as an accurate and up-to-date source of consistent and scientifically reliable nutrition information. Particular dietary practices that are justified by research are presented.

t bone nutrition facts: Krause and Mahan's Food and the Nutrition Care Process E-Book Janice L Raymond, Kelly Morrow, 2020-05-03 - NEW! Food-Nutrient Delivery: Planning the Diet with Cultural Competency chapter provides international nutrition guidelines and resources to assist you with multicultural meal planning. - NEW! Clinical: Nutritional Genomics chapter features an author from the NIH's Human Genome Project and introduces you to the latest research about CRISPR and epigenetics. - NEW! MNT for Neurologic Disorders chapter features two new authors, including a speech therapist, and displays IDDSI guidelines and an appendix for dysphagia diets to help you carefully and consistently address the nutritional needs of these patients. - NEW! Clinical: Water, Electrolytes, and Acid-Base Balance and Clinical: Biochemical, Physical, and Functional Assessment chapters are updated with the most relevant and evidence-based complementary and integrative approaches to expand your expertise in these clinical nutritional areas. - NEW! MNT for Adverse Reactions to Food: Food Allergies and Intolerance chapter features completely revised guidelines and a new pathophysiology algorithm to ensure you are confident in your knowledge of how to prevent emergencies and what to do when emergencies do happen. - NEW! Coverage of intermittent fasting, health at every size, and health disparities focuses on the latest nutrition trends to ensure you are well-versed in these topics. - NEW! The Mediterranean Diet, Choline, and Biotin appendices display at-a-glance information to help you find quickly supplemental information. - NEW! Directions boxes and Focus On boxes, as well as useful websites, resources, and key terms at the end of each chapter, help you find information quickly and easily.

t bone nutrition facts: Food and Nutrition Information and Educational Materials Center catalog Food and Nutrition Information Center (U.S.)., 1976

t bone nutrition facts: Healthy Past 100 Steven M. Teagarden DC, 2023-08-10 Healthy Past 100 was written explicitly for those longing to be extraordinarily healthy—even past their 100th birthday. This breakthrough book is based on thousands of cutting-edge science articles identifying the causes of optimal health vs sickness and disease. Healthy Past 100 puts a wealth of cutting-edge, science-based healthcare information at your fingertips, empowering you to make the healthiest choices for you and your family. Healthy Past 100 is several books in one, and it also contains a mouthwatering keto cookbook that's exclusively based on the most nourishing ingredients you can consume. This life-changing book is based on the Short List, i.e., a distillation of the core factors involved in being healthy past 100. The Short List includes: The Metabolic Masterplan Diet: the Metabolic Masterplan Diet may be the world's most advanced ketogenic diet. Nothing improves your health as much as following this research-based, anti-inflammatory, gut-healing ketogenic diet. Nutrition and Supplements: providing your cells with all the nutrients they require to function optimally is key to a long, healthy life. Healthy Past 100 shows you exactly which nutrients you need and which ones to supplement with. Metabolism: carbohydrates and sugar damage your metabolism (the process of creating energy in your cells), causing serious health issues. Healthy Past 100 teaches you to heal and optimize your metabolism, and which tests to rely on to know—not guess—that your metabolism is as healthy as can be. Chronic Inflammation: this widespread health issue underlies all diseases, and must be healed to experience optimal health. Healthy Past 100 rids you of chronic inflammation—now and forever—paving the way to lasting health. Gut Health: most humans deal with significant gut issues. Fortunately, Healthy Past 100's innovative gut healing method leads to lifelong optimized gut health. Psychology: psychology is how you think, feel, act, behave and respond to life's circumstances. Healthy Past 100 provides the tools to heal and optimize your psychology, which is foundational to a healthy, fulfilling life. Thyroid Physiology: inefficient thyroid physiology impairs your body and mind, zaps your energy and causes many diseases. Healthy Past 100 explains how thyroid physiology works, how to heal it, and the tests determining if it's in tip-top shape. Exercise: crucial to your health and well-being, exercise must be performed regularly. Healthy Past 100 teaches you which exercises help you become healthy past 100. Detoxification: humans are routinely exposed to dangerous heavy metal toxins. Healthy Past 100 shows you how to rid these harmful metals from your body and minimize your exposure to them in the future. Oxidative Stress: oxidative stress is a primary cause of aging, sickness, disease and death. It has many causes, including carbohydrates, sugar, poor nutrition and impaired gut health. Healthy Past 100 helps you optimize oxidative stress where it matters most: within the mitochondria in your cells. Spiritual/Religious Life: extraordinary health stems from optimal physical, psychological and spiritual well-being. It's just as important to focus on your spiritual fitness as it is to heal your physical body, and Healthy Past 100 helps you do both. This pioneering book has been written to help you experience extraordinary health past your 100th birthday. If you're ready to be healthy past 100, this is the book you've been waiting for!

t bone nutrition facts: Nutrition Paul M. Insel, R. Elaine Turner, Don Ross, 2004 Nutrition is unique in its behavioral approach--challenging students to actively participate, not just memorize the material. Offering a balanced coverage of behavioral change and the science of nutrition.

t bone nutrition facts: The Metabolism Miracle Cookbook Diane Kress, 2024-09-24 A New York Times-bestselling nutritionist offers a variety of easy-to-prepare meals to help people lose weight and improve their health. Does a strong urge to fill up on carbs sabotage your weight-loss efforts? Are you often tired and irritable, and is there a roll of fat around your middle? Now it's easier than ever to eat great and lose weight. The Metabolism Miracle Cookbook includes more than 175 quick-and-easy, carb-controlled recipes and menus tailored to each step of The Metabolism Miracle diet plan. Nearly half of all Americans have Metabolism B and unknowingly overproduce the fat-gain hormone insulin. These recipes are specifically formulated to help people with this hidden condition lose weight, lower blood pressure and cholesterol, decrease risk of or improve control over diabetes, and increase their energy. From appetizers, soups, and salads to vegetables, entrees, and desserts ideal for family meals, readers will have no shortage of delicious options. Vegetarian and

gluten-free choices are also included.

t bone nutrition facts: *Culinary Nutrition* Jacqueline B. Marcus, 2025-05-15 *Culinary Nutrition: The Science and Practice of Healthy Cooking, Second Edition* is one of the first textbooks specifically written to bridge the relationship between food science, nutrition, and culinology as well as consumer choices for diet, health, and enjoyment. The book uses a comprehensive format with real-life applications, recipes, and color photographs of finished dishes to emphasize the necessity of sustainably deliverable, health-beneficial, and taste-desirable products. The book includes pedagogical elements to enhance and reinforce learning opportunities; explores which foods and beverages involve the optimum nutritional values for dietary and health needs; includes specific dietary requirements throughout the lifecycle; and examines how foods and beverages are produced. The fully revised second edition includes updated dietary and health guidelines and recommendations; more vegan, vegetarian, and plant-based meals; updated protein, carbohydrate, fat, vitamin and mineral recommendations; environmental and sustainability considerations; and much more. - Explores the connections among the technical sciences of nutrition, food science, and the culinary arts, as well as consumer choices for diet, health, and enjoyment - Presents laboratory-type, in-class activities using limited materials with real-life applications of complex, scientific concepts - Includes photographs and recipes that are integrated to enhance learning experiences - Offers online support for qualified instructors and students, including an exam test bank, case studies, hands-on applications, and recipes that are suitable for a variety of settings

t bone nutrition facts: Cumulative Index to the Catalog of the Food and Nutrition Information and Educational Materials Center, 1973-1975 Food and Nutrition Information and Educational Materials Center (U.S.), 1975

t bone nutrition facts: Discovering Nutrition Dr. Paul Insel, Kimberley McMahon, Melissa Bernstein, 2025-05-13 Incorporating the latest research and dietary guidelines, *Discovering Nutrition, Seventh Edition* introduces students to the fundamentals of nutrition with an engaging and personalized approach. Written with a diverse student population of nutrition majors and non-majors in mind, this text focuses on teaching behavior change and personal decision making with an emphasis on how our nutritional behaviors influence lifelong personal health and wellness, while also presenting up-to-date scientific concepts in several innovative ways. Thoroughly updated, the new seventh edition covers current nutrition topics of interest such as personalized nutrition, nutrigenomics, the obesogenic environment, gut health, microbiome, plant-based diet, functional foods, bioavailability, nutrition density, and gut microbiome. Feature boxes such as the new Lifestyle Medicine, Why Is This Important? Quick Bites, and more, ensure students learn practical nutrition information.

t bone nutrition facts: Cumulative Index to the Catalog of the Food and Nutrition Information and Education Material Center 1973-1975 National Agricultural Library (U.S.), 1975

t bone nutrition facts: Catalog. Supplement - Food and Nutrition Information and Educational Materials Center Food and Nutrition Information and Educational Materials Center (U.S.),

t bone nutrition facts: Nutrition Diva's Secrets for a Healthy Diet Monica Reinagel, 2025-09-23 Tired of trying to figure out what you should be eating for breakfast, or whether it's ever OK to eat before going to bed? Want to know which type of milk, or cereals, or meats are best so that food shopping is easier? Millions of people already eat, look, and feel better thanks to popular podcast host and board-certified nutritionist Monica Reinagel. In her highly-anticipated guidebook she sorts through all the conflicting nutrition information out there and busts outdated food myths, so you'll know exactly what to eat (and what to avoid) once and for all. Don't worry if pasta makes you happy, if chocolate keeps you sane, or if you just can't stand broccoli; no food is off limits and none is required. Instead, Monica walks you through every aisle of the grocery store and through each meal and snack of the day, helping you make healthier choices and answering your burning questions, including: - How often should you eat? - Which organic foods are worth the extra cost? - Does cooking vegetables destroy the vitamins? - Should foods be combined in certain ways for better digestion? Complete with grocery shopping lists, simple, delicious recipes, and sample meal plans,

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t bone nutrition facts: *Biggest Book of Grilling* Better Homes and Gardens, 2004 Features more than four hundred recipes for beef, veal, lamb, pork, and poultry dishes and includes instructions for preparing side dishes, salsas, sauces, vegetables, snacks, and appetizers of all kinds.

t bone nutrition facts: Krause's Food & the Nutrition Care Process L. Kathleen Mahan, Sylvia Escott-Stump, Janice L. Raymond, Marie V. Krause, 2012-01-01 The most respected nutrition text for more than 50 years, Krause's Food & the Nutrition Care Process delivers comprehensive and up-to-date information from respected educators and practitioners in the field. The latest recommendations of the Dietary Guidelines for Americans 2010, new and expanded chapters, and a large variety of tables, boxes, and pathophysiology algorithms provide need-to-know information with ease, making this text perfect for use in class or everyday practice. Clear, logical organization details each step of complete nutritional care from assessment to therapy. UNIQUE!

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t bone nutrition facts: Nutrition with Navigate Advantage Access Dr. Paul Insel, Paul M. Insel, Don Ross, Kimberley McMahon, Melissa Bernstein, 2022-02 Given the vast amount of research focused on food and nutrition, it can prove daunting for introductory nutrition instructors to present their students with the latest scientific content. Insel's Nutrition presents the latest nutrition research in an accessible format, supplemented by a behavior-change approach that encourages active student engagement--

t bone nutrition facts: New Cook Book Jennifer Darling, 2003-09 Features more than one thousand kitchen-tested recipes, menu suggestions, nutrition facts, recipes for crockery cookers, and cooking tips.

t bone nutrition facts: Nutrition Lori A. Smolin, Mary B. Grosvenor, Debbie Gurfinkel, 2020-06-23 Nutrition: Science and Applications, 3rd Canadian Edition, provides students with a strong foundational knowledge of human nutrition, covering all essential nutrients, their functions in the body, and their sources and dietary components. Presenting an innovative critical-thinking approach to the subject, this leading textbook goes beyond the basics to explore underlying nutrition processes while discussing the latest research, debates, and controversies related to nutrition and health. The text offers an accessible, visually-rich presentation of topics designed to be highly relevant and relatable to Canadian readers. The ideal text for college-level nutrition courses, this new edition features extensively revised and updated content throughout — aligning with the latest nutrition research, recommendations, guidelines, and Canadian government regulations. The authors real-world approach enables students to apply concepts of nutrition science in their own

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