



# NUTRITION SUPPORT CALCULATION TUTORIAL

## Calculating PN Provision based on Stock Solutions

Repeat formulae 100 ml of 20% glucose, 200 ml of 20%  
Calculate total energy and volume

Have grams protein, need to calculate

- Dextrose = 100g
- Lipids = 25g
- Protein = 10g

### SCENARIO

40-year-old male,  
castrated with acute  
pancreatitis &  
pneumocyst

Needs Assessed:  
1500 kcal = 90 g protein

#### Anthropometrics

- Actual weight 75 kg
- Height 67 inches
- Patient assessed with values
- 80 kcal
- 10-12g
- 1000 kcal



200g dextrose x 1000 / 1000 ml = 200g / 1000 ml = 0.2g

• Lipid Infusion Rate:

40 g lipid / 75 kg / 24 hrs = 0.208 g/kg/hr

## Nutrition Assessment Calculations & Conversions

Pounds to kg – divide by 2.2

154  
300  
150 lbs = 68 kg

## PN Practice Calculation Scenario



<https://nutritionstudysupport.com>

# Tutorial Nutrition Guide

**M Mosston**



## **Tutorial Nutrition Guide:**

The Top Books of the Year Tutorial Nutrition Guide The year 2023 has witnessed a noteworthy surge in literary brilliance, with numerous engrossing novels enthralling the hearts of readers worldwide. Lets delve into the realm of bestselling books, exploring the engaging narratives that have enthralled audiences this year. Tutorial Nutrition Guide : Colleen Hoover's "It Ends with Us" This heartfelt tale of love, loss, and resilience has captivated readers with its raw and emotional exploration of domestic abuse. Hoover skillfully weaves a story of hope and healing, reminding us that even in the darkest of times, the human spirit can triumph. Uncover the Best : Taylor Jenkins Reids "The Seven Husbands of Evelyn Hugo" This intriguing historical fiction novel unravels the life of Evelyn Hugo, a Hollywood icon who defies expectations and societal norms to pursue her dreams. Reids compelling storytelling and compelling characters transport readers to a bygone era, immersing them in a world of glamour, ambition, and self-discovery. Discover the Magic : Delia Owens "Where the Crawdads Sing" This captivating coming-of-age story follows Kya Clark, a young woman who grows up alone in the marshes of North Carolina. Owens spins a tale of resilience, survival, and the transformative power of nature, captivating readers with its evocative prose and mesmerizing setting. These bestselling novels represent just a fraction of the literary treasures that have emerged in 2023. Whether you seek tales of romance, adventure, or personal growth, the world of literature offers an abundance of captivating stories waiting to be discovered. The novel begins with Richard Papen, a bright but troubled young man, arriving at Hampden College. Richard is immediately drawn to the group of students who call themselves the Classics Club. The club is led by Henry Winter, a brilliant and charismatic young man. Henry is obsessed with Greek mythology and philosophy, and he quickly draws Richard into his world. The other members of the Classics Club are equally as fascinating. Bunny Corcoran is a wealthy and spoiled young man who is always looking for a good time. Charles Tavis is a quiet and reserved young man who is deeply in love with Henry. Camilla Macaulay is a beautiful and intelligent young woman who is drawn to the power and danger of the Classics Club. The students are all deeply in love with Morrow, and they are willing to do anything to please him. Morrow is a complex and mysterious figure, and he seems to be manipulating the students for his own purposes. As the students become more involved with Morrow, they begin to commit increasingly dangerous acts. The Secret History is an exceptional and thrilling novel that will keep you wondering until the very end. The novel is a cautionary tale about the dangers of obsession and the power of evil.

<https://ftp.thebrandexperience.com/book/detail/Documents/Best%20Future%20Of%20Work.pdf>

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web v i r i v r as you can see in this circuit diagram we use an r1 load resistor to convert current into voltage in this circuit a voltage divider is used but we can also use an operational amplifier to step down the voltage across the load resistor how to

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measure the secondary side current of ct

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web you mean with a microcontroller the impedance note about analog sources probably means that if the sources are higher than 2.5k the input on the pic will start to load them down you usually want a source impedance to be at least ten times smaller than the load impedance so that it is not disturbed by the load impedance

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web the pic micro reads the input voltage through one of the 8 analog channels and convert it to a 10 bit digital number using the internal adc doing some math with adc conversion you will see later this number can be converted to the actual measured voltage the voltage is displayed in an hd44780 based character lcd

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web may 20 2012 adc module of pic microcontroller converts the signals on its analog pin to 10 bit binary data and it has software selectable high and low voltage reference input to some combination of vdd vss ra2 and ra3 the analog input to pic is limited to vss and vdd voltages 0.5v of pic this circuit is designed to measure 0 to 30v

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web jun 27 2017 so we see that there are some parameters of ac voltage such as peak voltage rms voltage line frequency wave shape etc in this project we will not measure the wave shape we will measure the peak voltage rms voltage and line frequency to make the project easy and understandable

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web i am working with a pic micro controller with inbuilt 10bit adc and want to measure a voltage in the range of 1 to 3volts i thought of using an op amp in the inverting mode to make voltage positive and then feed it to the adc of the microcontroller however here i would have to power the opamp with a negative power supply right

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web the pic18f4520 is a 40pin microcontroller with numerous functions and applications one of its many functions is analog to digital conversion through this the pic is capable of reading an analog voltage and turning it into a digital readout that can be used in a program the circuitry and code required to create a basic voltage sensor is minimal

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web apr 25 2016 my answer would be get a shunt type reference for a voltage that is lower than the battery range of interest let s assume a 5v battery and a tl431 or the like as 2 5v reference now measure the tl431 voltage using the battery as reference assume a 10 bit a d most common that reads n now you know that n battery 1023 2 5

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web the circuit diagram of three phase voltage measurement system is given below as you can see in the circuit diagram we are using three phase generator and the voltage of each phase is measuring with the same circuit phase one phase two and phase three measurement circuit are the same

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web jul 6 2016 i want to measure the mains voltage 230v 50hz using an adc channel from a microcontroller this is my current approach below i have two schematics that add two voltages one direct one alternating added to that the both the ac and dc signals are going through voltage divider but that isn t important

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web uniform circular motion is the motion of a body traveling at a constant speed along a circular path the speed remains constant but the velocity varies if a particle is traveling in a circle it must be experiencing some acceleration towards the center causing it to rotate around the center

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web circular motion is described as a movement of an object while rotating along a circular path circular motion can be either uniform or non uniform during uniform circular motion the angular rate of rotation and speed will be constant while during non uniform motion the rate of rotation keeps changing

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web t angular velocity define an angular velocity  $\omega$  angular displacement  $\omega$  time interval uniform circular motion is when  $\omega$  is constant combining last 3 equations  $r\omega$  period  $t = 2\pi / \omega$   $\theta = \omega t$  question you place a beetle on a uniformly rotating record is the beetle's tangential velocity different or the same at different radial positions

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web 12 example 6 3 integration and circular motion kinematics we shall now investigate a special class of motions motion in a plane about a central special cases often dominate our study of physics and circular motion about a central point is certainly no exception there are many instances of central motion about a point a bicycle rider

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web dynamics of circular motion we know that circular motion can be both uniform and non uniform if the tangential component of acceleration is absent it will be uniform circular motion and if the tangential component of acceleration is

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