PEPTIDE MARKET PRESENTS

Dr. Peptide's Notebook

The series lessons, with room for your notes

AI-CREATED VIRTUAL PRESENTER · EDUCATIONAL CONTENT, NOT MEDICAL ADVICE

EDITION · NOVEMBER 2026

PEPTIDEMARKET.CO/DOCTORA-PEPTIDE

DR. PEPTIDE

How to use this notebook

1. Watch the lesson at peptidemarket.co/doctora-peptide; each one lasts under a minute.
2. Read the three key points and the transcript to review at your own pace.
3. Write your questions and what you want to look into under “My notes”.
4. Before choosing a product, go through the checklist and the glossary at the end.

Contents

01 · What is a peptide? 3
02 · What a peptide is and how it works 4
03 · Why peptides are researched 5
04 · Quality and safety before choosing 6
05 · Purity and identity: HPLC and mass spectrometry 7
06 · What 'research grade' means 8
07 · How to read a peptide catalog 9
08 · Lyophilized: why the vial arrives as a powder 10
09 · How a vial and a strip are stored 11
10 · Oral strips: the film that dissolves 12
Before choosing: checklist 13
Quick-reference glossary 14
Important notice 16

LESSON 01 · FOUNDATIONS · 0:12

01 What is a peptide?

Key points

1. A peptide is a short chain of amino acids.
2. Peptides are part of the body's signaling language.
3. This series explains the science calmly; it is not medical advice.

Transcript

> Hi, I'm Dr. Peptide. What is a peptide? A short chain of amino acids: the same language your body uses to send signals.

MY NOTES

MY NOTES

LESSON 02 · FOUNDATIONS · 0:17

02 What a peptide is and how it works

Key points

1. The body makes thousands of different peptides.
2. They act as messengers that bind to cell receptors.
3. Insulin is a well-known example of a peptide.

Transcript

> Peptides are short chains of amino acids. Your body makes thousands of them: they are messengers that bind to receptors and give precise instructions to cells. Insulin, for example, is a peptide.

MY NOTES

MY NOTES

LESSON 03 · FOUNDATIONS · 0:17

03 Why peptides are researched

Key points

1. Metabolism and body composition is one of the areas studied.
2. Tissue recovery, skin and collagen, and cellular longevity are also studied.
3. These are research areas, not promises of results.

Transcript

> Why are peptides researched so much? Today science explores four major areas: metabolism and body composition, tissue repair and recovery, skin quality and collagen, and cellular longevity. They are research areas, not promises.

MY NOTES

MY NOTES

LESSON 04 · QUALITY AND SAFETY · 0:17

04 Quality and safety before choosing

Key points

1. Check where the product is made.
2. Purity is measured by HPLC and identity by mass spectrometry, with batch traceability.
3. Any decision about your health is made with a licensed professional.

Transcript

> Before choosing a peptide, look at four things: where it is made, purity by HPLC, identity by mass spectrometry and batch traceability. And a fifth, the most important: any decision about your health, with a licensed professional.

MY NOTES

MY NOTES

LESSON 05 · QUALITY AND SAFETY · 0:17

05 Purity and identity: HPLC and mass spectrometry

Key points

1. HPLC measures purity: how much of the vial is the correct molecule.
2. Mass spectrometry confirms identity: that the molecule is the one on the label.
3. Both tests are run per batch; without them there is no documentation.

Transcript

> How is the quality of a peptide verified? With two tests per batch. HPLC measures purity: how much of the vial is the correct molecule. Mass spectrometry confirms identity: that the molecule is exactly the one stated on the label. Without both, there is no documentation.

MY NOTES

MY NOTES

LESSON 06 · QUALITY AND SAFETY · 0:17

06 What 'research grade' means

Key points

1. It is made and documented for laboratory use.
2. Purity and identity are analyzed batch by batch.
3. It is not a medicine or a supplement: health decisions belong with a licensed professional.

Transcript

> What does 'research grade' mean? That the material is made and documented for laboratory use: purity and identity analyzed batch by batch. It is not a medicine or a supplement, which is why any decision about your health goes with a licensed professional.

MY NOTES

MY NOTES

LESSON 07 · FORMATS AND STORAGE · 0:17

07 How to read a peptide catalog

Key points

1. First, identify the compound or the blend.
2. Then, the content in milligrams and the format: lyophilized vial or oral strip.
3. Always look for the research-grade seal.

Transcript

> How to read a peptide catalog. First, the compound or the blend. Second, the milligram content of the vial. Third, the format: lyophilized vial or oral strip. And always, the research-grade seal.

MY NOTES

MY NOTES

LESSON 08 · FORMATS AND STORAGE · 0:17

08 Lyophilized: why the vial arrives as a powder

Key points

1. Lyophilization removes the water under vacuum and at low temperature.
2. That way the molecule travels stable and protected.
3. A white powder, compact or fluffy, is what you should expect.

Transcript

> Why does the vial arrive as a powder? It's lyophilization: the water is removed from the peptide under vacuum and at low temperature, and the molecule travels stable and protected. A white powder, compact or fluffy, is exactly what you should see.

MY NOTES

MY NOTES

LESSON 09 · FORMATS AND STORAGE · 0:17

09 How a vial and a strip are stored

Key points

1. Vial: refrigerated, away from light, with the cap sealed.
2. No freeze–thaw cycles.
3. Strips: at room temperature, in their box, away from humidity.

Transcript

> How is a vial stored? Cold, darkness and a sealed cap: refrigerated, away from light, without freezing and thawing. Oral strips are comfortable at room temperature, in their box, away from humidity.

MY NOTES

MY NOTES

LESSON 10 · FORMATS AND STORAGE · 0:17

10 Oral strips: the film that dissolves

Key points

1. A thin film that dissolves.
2. No reconstitution and no bacteriostatic water.
3. Thirty strips per box, each with its documented content.

Transcript

> What is an oral strip? A thin film that dissolves in the mouth. No reconstitution, no bacteriostatic water, no needles: thirty strips per box, each with its documented content. It's the simplest format in our catalog.

MY NOTES

MY NOTES

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Before choosing: checklist

Six points to read any research-grade product with judgment.

- [ ] **Origin**
  Where it is made and with which materials; the label states it.

- [ ] **Purity by HPLC**
  The share of the intended compound, measured by chromatography.

- [ ] **Identity by mass spectrometry**
  Confirmation that the molecule is the one on the label.

- [ ] **Batch**
  A code that traces the manufacturing and its tests.

- [ ] **Format**
  Lyophilized vial or oral dissolvable strip, and its content in milligrams.

- [ ] **Licensed professional**
  Any decision about your health, always with a licensed professional.

MY NOTES

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Quick-reference glossary · 1/2

Agonist

A molecule that binds to a receptor and activates it, mimicking the natural signal.

Amino acid

A small molecule that works as a building block of peptides and proteins.

Bacteriostatic water

Sterile water with a preservative, 0.9% benzyl alcohol, that slows bacterial growth.

Batch traceability

The ability to trace a product back to its manufacturing batch and its tests.

Blend

A product that combines two or more compounds in the same vial or format.

Cell signaling

The messaging system cells use to communicate with each other and coordinate their work.

Cold storage

Keeping a material at low temperature to protect its stability.

Dual agonist

A molecule designed to activate two different receptors, for example those for GIP and GLP-1.

GIP

Glucose-dependent insulinotropic polypeptide: another gut hormone released after eating.

GLP-1

Glucagon-like peptide-1: a gut hormone studied in metabolic research.

Glucagon

A peptide hormone from the pancreas involved in regulating glucose and energy.

HPLC

High-performance liquid chromatography: a technique that separates a sample's components to measure purity.

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Quick-reference glossary · 2/2

Identity

Confirmation that the molecule in the sample is exactly the one stated on the label.

Lyophilization

Freeze-drying that removes water from a sample and leaves it as a stable powder.

Mass spectrometry

A technique that measures the mass of molecules to confirm the compound is the expected one.

Oral dissolvable strip

A thin film that dissolves; a format different from the lyophilized vial.

Peptide

A short chain of amino acids linked together; many act as messengers between cells.

Peptide chain

A sequence of amino acids joined by peptide bonds, in a specific order.

Peptide hormone

A hormone made of a chain of amino acids, such as insulin or glucagon.

Purity

The share of the intended compound in a sample, compared with other substances present.

Receptor

A cell protein that recognizes a specific signal molecule and responds to it.

Reconstitution

In the lab, dissolving a lyophilized material back into a liquid before analysis.

Research grade

Material intended for research, not for clinical use or as a medicine.

Triple agonist

A molecule designed to activate three receptors: those for GIP, GLP-1 and glucagon.

Important notice

Dr. Peptide is a virtual presenter created with artificial intelligence; she is not a healthcare professional. This content is educational and is not medical advice, diagnosis or treatment. Decisions about your health belong with a licensed professional. Research-grade products; sale to adults 18+ only.

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