

SPERMIDINE

A DEEPER LOOK



Spermidine (SPD), along with Spermine (SPM) & Putrescine (PUT), are the main **Polyamines** in mammalian cells and plants and play an important role in cell growth & health.

Spermidine & Polyamines are among the HOTTEST ingredients for healthy-aging supplements these days.

Let's take a deeper look!



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POLYAMINES & SPERMIDINE
IN SUPPLEMENTS
COME FROM 3 SOURCES



synthesis



rice



wheat

AND THEY ARE NOT CREATED EQUAL



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Pure Spermidine?

NOT SO "PURE" !

"Pure" Spermidine is synthetically made
In unnatural 3HCl (trihydrochloride) form

Made with harsh chemicals & solvents

Impurities/Safety unknown

SPD 3HCl only contains about 60% SPD



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Wheat Germ Spermidine?

WHEAT, WHAT? **GLUTEN !**

Wheat is a MAJOR Allergen in US & EU

May contain Gluten

Low SPD concentration



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Rice Spermidine?

RICE & CLEAN

Natural

Non-GMO

Hypoallergenic

Allergen-Free

Gluten-Free

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miricellTM

Beyond Spermidine

Natural Spermidine from Rice

Rich in synergistic Polyamines

High Spermidine concentration

Sustainably upcycling manufactured

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