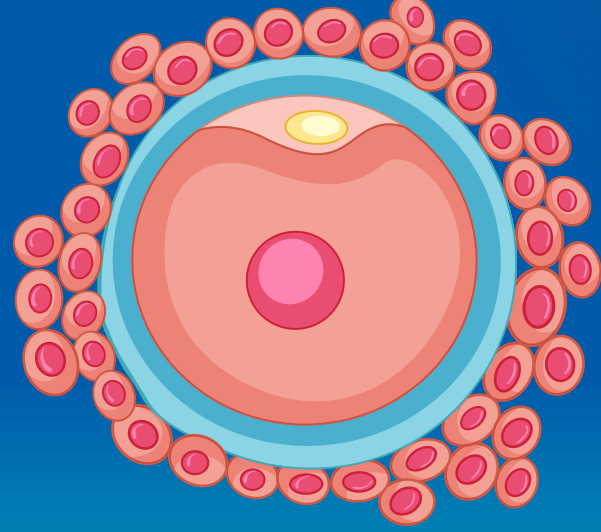


## The Antioxidant Edge:

### Enhancing Reproductive Health With Kaneka Ubiquinol®

The vitality of reproductive cells—sperm and ova—is essential to conception and the onset of a healthy pregnancy. But this vital aspect of human health faces a pervasive challenge: cellular damage caused by oxidative stress. Kaneka Ubiquinol® supports reproductive wellness via its unique antioxidant properties.

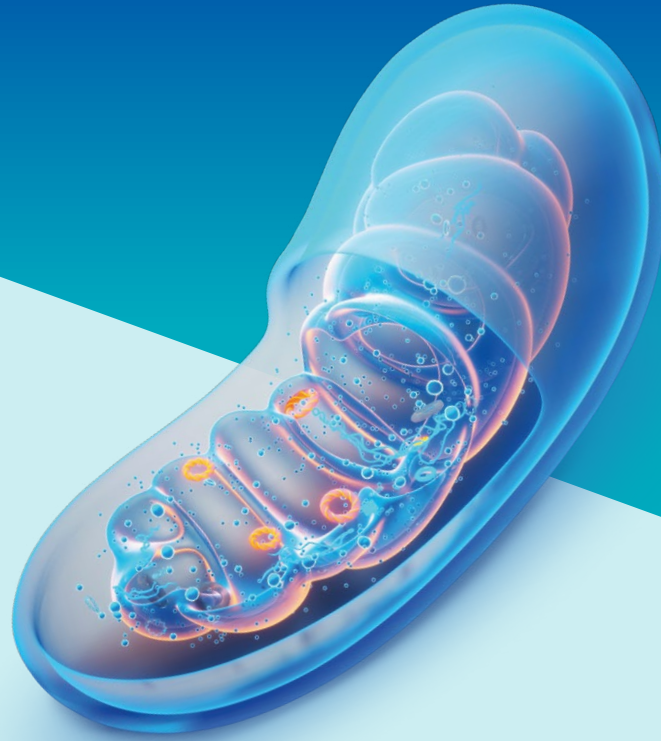


## Mitochondria:

### The Source of Cellular Energy—and the Free Radicals That Cause Oxidative Stress

Mitochondria are cellular powerhouses that play a vital role in energy production. But the process isn't foolproof. Rogue electrons that leak from the mitochondria's electron transfer chain (ETC) can react with oxygen to form superoxides—highly unstable and reactive free radicals that have the potential to damage molecular structures within the cell.

Oxidative stress arises when there is an imbalance between the production of free radicals and the body's antioxidative defenses.



### When Free Radicals Run Amok

Free radicals can damage cellular lipids, proteins, and DNA, and thus:<sup>1-3</sup>

- Disrupt cell and mitochondrial membranes
- Affect mitochondrial DNA integrity
- Induce increasing levels of free radicals
- Diminish cellular energy production

### The Insidious Nature of Oxidative Stress

The impact of oxidative stress on fertility is a growing concern, especially in light of modern lifestyle factors, such as the decision to delay parenthood, and environmental influences that may exacerbate its effects, including:

- Aging
- Pollutants
- Industrial chemicals
- Dietary habits
- Stress

## Fertility Can Be Impacted: Keep a Close Eye on Preconception Health



### Men<sup>4</sup>

- Diminished sperm motility
- Poor sperm morphology
- Lower DNA integrity



### Women<sup>5-7</sup>

- Fewer oocytes in the ovarian reserve
- Lower-quality oocytes
- Damage to follicles and other reproductive tissues

## Fight Back With a Superior Antioxidant: Kaneka Ubiquinol®

CoQ10 is produced by the body and found in small amounts in foods. Ubiquinone, its oxidized form, requires conversion to ubiquinol in the body to act as an antioxidant. Ubiquinol is the only lipid-soluble antioxidant synthesized in the body.<sup>8</sup> Its lipid solubility and concentration in the mitochondria give it a highly protective role.<sup>2</sup> But as the body ages, its ability to convert ubiquinone into ubiquinol diminishes. Ubiquinol supplementation offers potent antioxidant protection at the cellular level, playing a vital role in the fertility journey. Some advantages of ubiquinol include:

- Enhanced bioavailability
- Regenerating other antioxidants in the body
- Neutralizing free radicals precisely where they are most prolific—within the mitochondria themselves

## Support Preconception Health With Kaneka Ubiquinol®

Join the forefront of reproductive wellness by incorporating Kaneka Ubiquinol® into your range of health products.

<b>2x</b> Better absorbed than conventional CoQ10 <sup>9,10</sup>	<b>26%</b> Better sperm motility <sup>11</sup>
<b>53%</b> Increase in sperm count <sup>11</sup>	<b>24%</b> Improvement in sperm morphology <sup>12</sup>

## The Kaneka Ubiquinol® Advantage

**50**

50 years of ubiquinone and ubiquinol research and testing

**100+**

Subject of 100+ clinical studies

**18+**

18+ years of positive consumer experience with Kaneka Ubiquinol® supplementation



Free of impurities commonly found in synthetic CoQ10



Bioidentical to the ubiquinol naturally produced in the human body



Made in the USA

[Read the White Paper](#)



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[KanekaNutrients.com](http://KanekaNutrients.com)

These statements have not been evaluated by the Food and Drug Administration. This product is not intended to diagnose, treat, cure, or prevent any disease.

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