

**Study: New Ingredient in Baby Formula Helps Support Immune System, More Like Breastfed Babies**

*Scientists replicate prebiotic found naturally in breast milk that helps supports baby's immune system*

**\*Note: Embargoed Until Wednesday October 26, 2016 at 2:00 p.m. eastern**

*Abbott*

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**NEWS PACKAGE**

<b>SUGGESTED TEASE</b>	<p>STILL TO COME, A NEW STUDY SHOWS HOW A NEW INGREDIENT IN INFANT FORMULA HELPS SUPPORT A BABY'S IMMUNE SYSTEM TO BE MORE LIKE A BREASTFED BABY.</p> <p>DETAILS OF A NEW SCIENTIFIC BREAKTHROUGH - AND WHAT THIS MEANS FOR BABIES, NEXT IN HEALTH NEWS.</p> <hr/>
<b>ANCHOR LEAD</b>	<p>GOOD NUTRITION BUILDS A STRONG FOUNDATION FOR LIFE. AND FOR BABIES, THE BEST NUTRITION IS BREAST MILK.</p> <p>STUDIES SUGGEST THAT BABIES WHO ARE BREASTFED OFTEN HAVE STRONGER IMMUNE SYSTEMS DUE IN PART TO A SPECIAL PREBIOTIC FOUND NATURALLY IN BREAST MILK.</p> <p>BUT NOW, IN A NEW STUDY, RESEARCHERS HAVE SHOWN HOW A NEW INGREDIENT PREVIOUSLY ONLY FOUND IN BREAST MILK CAN HELP SUPPORT A BABY'S IMMUNE SYSTEM WHEN ADDED TO INFANT FORMULA. CLARK POWELL EXPLAINS.</p> <hr/>
<b>(PACKAGE START) -----</b>	
<b>CG: Courtesy: Abbott</b>	(Nats Sound - Picking up baby to feed) :02
Shot of Kaitlin nursing baby	KAITLIN O'ROURKE PREFERS TO BREASTFEED HER SON, CILLIAN ( <i>KILL-ian</i> ), BUT AS A BUSY WORKING MOTHER OF TWO, IT'S NOT ALWAYS POSSIBLE. SO LIKE MILLIONS OF WOMEN, KAITLIN SUPPLEMENTS HER BREAST MILK WITH INFANT FORMULA. :10
Shots of Kaitlin mixing formula	

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<p><b>CG: Kaitlin O'Rourke</b>  <b>Mother of newborn</b>  <b>:11 - :18</b></p> <p>Wide shot nursing- blur for graphic</p> <p>Shot of mom mixing formula</p>	<p><i>"Breastfeeding my babies is the best thing nutritionally but that doesn't always work out for me and my busy schedule." :07</i></p> <p>AS NUTRITIOUS AS BABY FORMULAS HAVE BECOME, BREAST MILK WILL ALWAYS BE THE GOLD STANDARD DUE IN PART TO THE IMMUNE SUPPORT THAT BREAST MILK PROVIDES. BUT RESEARCHERS HAVE MOVED A STEP CLOSER. :11</p>
<p><b>CG: Rachael Buck, PhD</b>  <b>Abbott</b>  <b>:29 - :38</b></p> <p>Shots of Dr. Buck in the lab</p> <p>Shots of Dr. Buck at microscope</p> <p>(Graphic - baby)  -70% OF THE IMMUNE SYSTEM IS IN THE GUT</p>	<p><i>"We've identified a key nutrient in breast milk that supports the developing immune system and for the first time we have been able to successfully add this ingredient to infant formula." :09</i></p> <p>THE INGREDIENT IS KNOWN AS HMOs - OR HUMAN MILK OLIGOSACCHARIDES.  DOCTOR RACHAEL BUCK IS AN IMMUNOLOGIST AND ASSOCIATE RESEARCH FELLOW AT ABBOTT WHO'S STUDIED H-M-Os FOR THE LAST 15 YEARS.  IN BREASTFED BABIES, HMOs HELP HEALTHY BACTERIA IN THE GUT THRIVE. ABOUT 70 PERCENT OF THE IMMUNE SYSTEM EXISTS IN THE GUT.  AND RESEARCH SHOWS SOME HMOs ALSO CIRCULATE IN THE BLOOD STREAM TO SUPPORT BABY'S DEVELOPING IMMUNE SYSTEM THROUGHOUT THE BODY. :26</p>
<p><b>Dr. Buck (CG'd earlier)</b></p> <p>Shots of Buck in her office</p> <p>Shots of testing samples</p> <p>Shots from the lab</p>	<p><i>"We wanted to replicate HMOs so that babies who drink formula can benefit from them." :05</i></p> <p>THAT'S JUST WHAT DOCTOR BUCK HAS DONE. IN A NEW STUDY PUBLISHED IN THE JOURNAL OF NUTRITION,<sup>1</sup> RESEARCHERS FOLLOWED MORE THAN 200 BABIES, COMPARING THOSE WHO BREASTFED TO THOSE GIVEN FORMULAS WITH A STRUCTURALLY-IDENTICAL VERSION OF 2-FL – THE MOST ABUNDANT HMO IN MOST MOTHERS MILK. AFTER 6 WEEKS, TESTS SHOWED SOME OF THE IMMUNE MARKERS FOUND IN BREASTFED AND FORMULA-FED BABIES WERE NEARLY IDENTICAL. :23</p>
<p><b>Dr. Buck (CG'd earlier)</b></p>	<p><i>"This is the first time that HMOs in infant formula have been shown to work and while we can't say that the formula will reduce infection, we can say that the formula closes multiple immune gaps between breastfed and formula-fed babies based on blood immune markers." :14</i></p>



**CG: Kaitlin O'Rourke**  
**Mother of newborn**

Kaitlin talks about the importance of nutrition:  
*"I chose breastfeeding for both of my babies because I definitely know that it's the best thing for them, nutrition wise."* :07

### References

<sup>1</sup>*Infants Fed a Lower Calorie Formula With 2'FL Show Growth and 2'FL Uptake Like Breast-Fed Infants*, **The Journal of Nutrition**, **October 2016**. Online: <http://jn.nutrition.org/content/early/2016/10/26/jn.116.236919.abstract>

<sup>2</sup>*Breastfeeding - Frequently Asked Questions*, **Centers for Disease Control and Prevention**, **2015**. Online: <http://www.cdc.gov/breastfeeding/faq/>

<sup>3</sup>*Breastfeeding among U.S. Children Born 2002-2012, CDC National Immunization Survey*, **Centers for Disease Control and Prevention**, **July 2015**. Online: [http://www.cdc.gov/breastfeeding/data/nis\\_data/index.htm](http://www.cdc.gov/breastfeeding/data/nis_data/index.htm)

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