

## VTech Hotel Phones Resistant to bacteria, mold and fungus

It's a fact of life: Germs are ever-present in our daily lives. It's one thing to share our homes with them. Sharing a hotel room with these intruders is a different matter—one that shouldn't trouble registered guests. VTech phones are made of antibacterial plastic, which prevents germs from becoming unwanted guests.



### The reality

Studies show that eighty percent of all infections are spread through contact. That makes hotel environments prime targets for bacteria and infection—especially areas that are touched by multiple people. Guests and staff are in constant contact with innumerable surfaces: doorknobs, remote controls, pens, light switches, clock radios, telephones and so much more.

No matter how efficient any housekeeping staff is, it's difficult to eradicate all the germs that yesterday's guests left behind. With VTech phones, everyone has an added layer of protection—and peace of mind.

### How we do it

What does antibacterial plastic really mean? In our case, it means that we've added Zeomic®, an inorganic antibacterial agent, to the plastic used in our hotel phones. Zeomic uses silver and other ions to prevent the growth and migration of bacteria, mold and fungus. Through nanotechnology, the ions are infused into the plastic, creating a stable agent that maintains its effectiveness for the life of our phones.

The Food and Drug Administration (FDA), the Environmental Protection Agency (EPA) and the National Sanitation Foundation (NSF) have approved Zeomic for use in a variety of products, including washing machines, food packaging and toys. Proven to protect against E. coli and Staphylococcus, it's safe and will not irritate skin.

*The chart below illustrates the results of a test conducted using a VTech phone sample by the Hong Kong Standards and Testing Centre Ltd.*

Bacteria inoculated	Initial bacteria count (CFU/ml) (right after inoculation)	Test pieces	Average bacteria count (CFU/sample) (after incubation at 35°C for 24 hours)	Bacteria Reduction Rate
Escherichia coli (ATCC 8739)	310,000	Control	3,400,000	99.99%
		Treated sample	170	
Staphylococcus aureus (ATCC 6538)	460,000	Control	640,000	99.91%
		Treated sample	550	

Remarks:

- CFU denotes Colony Forming Unit
- Average bacteria count is obtained by taking the average of counts from same type of test pieces
- Treated sample: Treated with DAW502
- Control sample: Untreated sample
- Bacteria Reduction Rate =  $\frac{(\text{Control} - \text{Treated sample})}{\text{Control}} \times 100$

**To learn more about VTech's line of antibacterial hotel phones, please visit [vtechhotelphones.com](http://vtechhotelphones.com).**