



# ASTM LEVEL 1, 2 & 3 SURGICAL MASK



**VITACORE**  
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# PRODUCT INFORMATION

Vitacore Surgical Masks are available in ASTM Level 1, Level 2, and Level 3. The level 3 mask provides the highest level of protection out of the three surgical options. A surgical mask is a 3 layer mask that protects the wearer's nose and mouth from contact with droplets, splashes and sprays that may contain germs, aerosols and other unwanted airborne particles. All Vitacore Surgical Masks are manufactured at our Burnaby, BC facility and are available to public healthcare workers, frontline workers and the general public.



# PRODUCT INFORMATION

## Surgical Masks




**Product Name :** ASTM Level 1, 2, & 3 Surgical Masks

**Manufacturer :** Vitacore Industries

**Place of Production:** Burnaby, B.C. Canada

ASTM (American Society for Testing and Materials) standards are referenced by the Food and Drug Administration (FDA) as the endorsed standard in the United States. The current standard ASTM F2100-11 (2011) specifies the performance requirements for Medical Face Masks with five basic criteria.

### Understanding ASTM Levels of Protection

 VITACORE	ASTM F2100-11 Levels		
Characteristics	<b>Level 1:</b> Low Barrier Protection	<b>Level 2:</b> Moderate Barrier Protection	<b>Level 3:</b> Maximum Barrier Protection
General Use	For short procedures and exams that don't give aerosols, spray or fluids	For low to moderate level of aerosols spray and/or fluids	For heavy levels of aerosols, spray and/or fluids
Resistance to penetration by synthetic blood, minimum pressure in mm Hg for pass result	80 mm Hg	120 mm Hg	160 mm Hg
Differential pressure, mm H <sub>2</sub> O/cm <sup>2</sup> (Breathability)	< 4.0	< 5.0	< 5.0
Bacterial filtration efficiency	≥ 95%	≥ 98%	≥ 98%
Sub-micron particulates filtration efficient at 0.1 micron	≥ 95%	≥ 98%	≥ 98%
Flame Spread	Class 1	Class 1	Class 1





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**(778) 800-0072**  
**(888) 593-2218**  
**(Toll-Free)**



**[info@vitacore.ca](mailto:info@vitacore.ca)**



**151-851 Glenlyon Parkway,**  
**Burnaby B.C. V5J 0**

