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# CASE STUDY

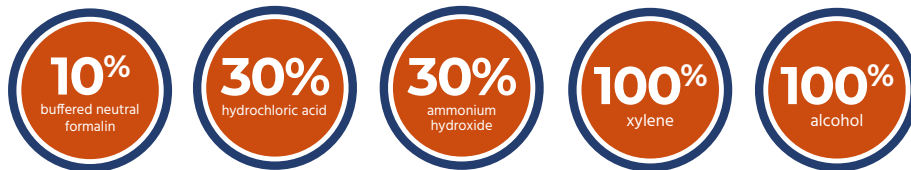


## How Trivorex **Saved** The Horizon Health Network **Over \$400** for Every 1L Chemical Spill.

### **Horizon Health Network**

Horizon, the largest regional health authority in New Brunswick, recently contacted Levitt-Safety in search of a better chemical spill management solution. Horizon, serves the area of Saint John, Fredericton, Miramichi, Moncton and Waterville.

Clinical staff in the Department of Pathology at Horizon wanted a universal spill kit solution for the five chemicals they regularly use to complete their work:



### **Horizon Health Network Used Five Separate Chemical Spill Clean-Up Products**

Even with safety measures to reduce these accidents, chemical spills still happen a few times every year. Exposure to these chemicals could be severe and, in some cases, fatal.

Their current chemical spill clean-up products were costly and required a different agent for each type of chemical. Because the management system was complex, there was a risk that a clinical staff could use the wrong agent, resulting in more downtime, higher costs, and a more significant threat to workers. In addition to being time-consuming, these clean-ups are also frustrating and affect employee morale.

When James Dixon, Pathology Lab Manager contacted Levitt-Safety, our safety specialist immediately recommended Trivorex as a universal spill kit solution. We provided James with literature and samples for his team to test out.

James' team ran a controlled chemical spill management experiment using the five chemicals, Trivorex and the five competitive agents.

His team measured final pH, reactivity, ease of use, hazards, smell, dust, and cost.

They found that Trivorex was superior to the other five products in every category. **“Overall, Trivorex was much easier and safer to use during the controlled experiment with all chemicals,”** James wrote. Trivorex was especially useful during clean-ups for spills involving a mixture of chemicals.

His team also noted the amount of Trivorex needed compared to the competitors based on the ratio of a chemical spill to the clean-up agent.



**Remember:** Not only did Trivorex perform better, but each competitor listed above was a different product.



	Trivorex	Competitor
Acid	1:1 ratio	1:3 ratio (powdery — increases risk to user)
Base	1:1 ratio	1:3 ratio (product did not contain spill well)
Solvent #1	1:1 ratio	1:1 ratio (left black residue after cleaning)
Solvent #2	1:1 ratio	1:1 ratio (left black residue after cleaning)
Formalin	1:1 ratio	1:1 ratio (left black residue after cleaning)



## Cost Savings:

When James' team reviewed cost savings, they found that although Trivorex was more expensive than the competitive product for cleaning acids, caustics, and solvent spills, it was \$24 cheaper per 10kg than the current solution for cleaning up formalin spills. They also used **eight times more of the competitive product to contain a formalin spill.**

Horizon estimated they would save \$415.30 for every 1-litre spill of formalin by using Trivorex.

Using Trivorex, clinical staff spent less time cleaning a spill and Horizon freed up space by not storing five different products.

Employees felt less frustrated when managing a chemical spill because of the simplified process — they didn't need to reference safety data sheets (SDS) or devote extra time cleaning up once the spill was contained.

Horizon is now standardizing Trivorex in their Moncton, Sackville, and Miramichi pathology labs and looking for opportunities in other laboratories to use Trivorex.

### Trivorex offers unique advantages over other spill control options:

- Colour change signals to indicate acid vs. caustic spills
- More effectively suppresses chemical vapors compared to competitors
- Superior at leaving surfaces dry



"We received our first shipment of Trivorex. We are very impressed with this product. Trivorex outperformed the competitor in almost every way... moving ahead we will be standardizing Trivorex in all our labs – Moncton, Sackville and Miramichi." - **James Dixon, Pathology Lab Manager**

## Want to learn more about [Trivorex](#)?

Visit our [chemical spill management page](#) to learn more about the product.

You can [contact us](#) if you wish to speak directly with one of our safety specialists.



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www.levitt-safety.com | 888 453 8488  
csr@levitt-safety.com

