PICKERING LABORATORIES

Synthetic Blood Solutions

PICKERING LABORATORIES TEST SOLUTIONS

The devil is in the details. That's why we put the required effort into creating a family of testing solutions that mimic true-to-life substances, from sweat and earwax to ocean water.

So whether you're testing the effects of perspiration on first responder's gear, effects of saliva on dental equipment, or blood penetration on PPE, the results will be repeatable and reliable. After all, the safety of your products are critical to the safety of those who use them.

A PIONEER IN REAGENTS & INSTRUMENTATION SINCE 1982

With our rigorous Quality Control process, perfected over decades, Pickering Labs guarantees the chemistry and integrity of each product. We are the global leader in formulating a wide array of specialty solutions, often custom, proprietary or purpose-built for our clients.

GUARANTEED CHEMISTRY

Pickering Laboratories' synthetic blood formulations are prepared according to official methods ASTM F1819-07, ASTM F1670, ASTM F1862 and ASTM F2100. They are intended for product testing and have the surface tension and viscosity close to human blood. Additionally, the color of the solution is intended to mimic the appearance of genuine human blood. The formulations can be used to evaluate the effectiveness of materials used in protective clothing. They can also be used to evaluate absorption capacity of materials that are in contact with human skin for prolonged periods. The formulations are not suitable for medical research. These products can be stored at room temperature and have a shelf life of one year from date of manufacture.

Synthetic Blood

Catalog No.	Description	Viscosity*	Qty
1700-0820	Synthetic Blood According to ASTM F1819-07/F1670	3.8 +/- 0.3 cSt @ 20° +/- 1° C	200 mL
1700-0920	Synthetic Blood According to ASTM F1819-07/F1670	3.8 +/- 0.3 cSt @ 20° +/- 1° C	4x950 mL
1700-0821	Synthetic Blood According to ASTM F1862/F1862M-17	7.4 +/- 0.3 cSt @ 20° +/- 1° C	200 mL
1700-0921	Synthetic Blood According to ASTM F1862/F1862M-17	7.4 +/- 0.3 cSt @ 20° +/- 1° C	4x950 mL

* Viscosity can be custom-made to your specifications. Please contact us for further details.