

BestLab®

the best laboratory furniture!

www.bestlab.us



BestLab® is a brand name of Phuonghai jsc, a leader in design, manufacturing the lab furniture in VietNam. BestLab® is devoted to the new product development and technology improvement.

Best product quality and perform ability are always its top priority. The pioneer of high quality, BestLab®'s products are selected from the best materials.

Worktop is the BestLab® phenolic resin HPL, it can be resistance the most of chemicals such as acids, bases, solvents, general reagents, stains and indicators, ...scratching resistance and anti-bacterial.

Therefore, it is widely used in the laboratories of various fields as teaching and research facilities to testing, medical and pharmaceutical operations, from highschool to universities, from fundamental and applied science researching centers to wide range of industrial manufacturers, pharmaceutical factories and hospital labs, clinics and operation rooms.

These materials of BestLab®'s products are used in harsh conditions as moisture, wet, corrosion of chemicals.

All BestLab®'s products have 3-years warranty.

BestLab® understands that the laboratory is your second home. So, the beauty and layout of logical space is also a priority when designing.

All BestLab®'s products are produced according to standards of the ISO 9001:2008 quality management system.

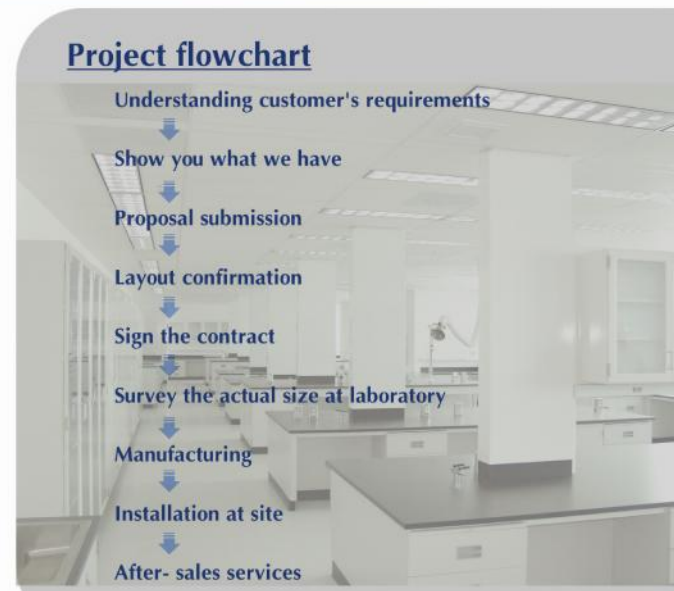
We listen to your needs and design a lab environment using the latest products to enhance your workflow and boost productivity. Our services range from supplying a simple lab cabinet or fume hood to the design and installation of an entire lab.



- ◆ Warranty
All BestLab®'s products have 3-years warranty.
- ◆ Flexible
Adapt quickly to changes in lab processes according your requirement
- ◆ Movable
Relocate mobile units as needed to expedite laboratory procedures
- ◆ Design
Modern and beauty
- ◆ After sales services
Handling requirements within 24hours

Project flowchart

- Understanding customer's requirements
- ↓
- Show you what we have
- ↓
- Proposal submission
- ↓
- Layout confirmation
- ↓
- Sign the contract
- ↓
- Survey the actual size at laboratory
- ↓
- Manufacturing
- ↓
- Installation at site
- ↓
- After- sales services



A well-acknowledged Brand

A Pioneer of High quality



The worktop is BestLab Chemical-Resistant phenolic resin HPL, thickness 18-25mm.

Please see the technical data in next page.



The frame is the stainless steel painted with Epoxy Best-paint technology

The cabinets are phenolic resin HPL, thickness 12mm.

TECHNICAL DATA

BestLab® Chemical-Resistant phenolic resin HPL worktop

NEMA Test	BestLab®	NEMA Standard (HGP Values)
Scratch Resistance (N*)	2.5	N/A
Wear Resistance	≥400	400 (min.)
Boiling Water Resistance	No effect	Slight effect
High Temperature Resistance	Slight effect	Slight effect
Radiant Heat Resistance (seconds)	200	100 (min.)
Stain Resistance† Reagents 1-10 11-15	No effect No effect	No effect Moderate effect
Dimensional Change Machine Direction Cross Direction	0.50% 0.80%	1.1% (max.) 1.4% (max.)
Ball Impact Resistance	60" (1524mm)	30" (508mm)
Cleanability (cycles)	10	20 (max.)
Blister Resistance (seconds)	70	55
Formability‡ (Type 390 only)	5/8" (15mm) face	5/8" (16mm)
Appearance	No ABC defects	No ABC defects

Chemical and Stain Resistance

No effect was exhibited except as noted (* or **) on the following:

Acids

- | | |
|---|--|
| 1. Nitric Acid (all concentrations)** | 8. Hydrofluoric Acid 48% (concentrated)* |
| 2. Glacial Acetic Acid 99% (concentrated) | 9. Aqua Regia |
| 3. Sulfuric Acid (all concentrations)** | 10. Chromic Trioxide (Chromic Acid Cleaning Solution)* |
| 4. Hydrochloric Acid (all concentrations)** | 11. Perchloric Acid (concentrated) |
| 5. Phosphoric Acid (all concentrations) | 12. Picric Acid 1.2% (0.05M) |
| 6. Formic Acid (all concentrations) | 13. Tannic Acid (sat.) |
| 7. Acetic Acid (all concentrations) | 14. Uric Acid (sat.) |

Solvents

- | | | |
|--------------------------|----------------------------------|-------------------------|
| 15. Carbon Tetrachloride | 23. Ethyl Alcohol | 31. Cresol |
| 16. Carbon Disulfide | 24. Chloroform | 32. Dioxane |
| 17. Acetone | 25. Phenol (all concentrations)* | 33. Trichloroethane |
| 18. Formaldehyde | 26. EDTA | 34. Chlorobenzene |
| 19. Methanol | 27. Xylene | 35. Dimethylformamide |
| 20. Ethyl Acetate | 28. Butyl Alcohol | 36. Methylene Chloride |
| 21. Toluene | 29. Amyl Alcohol | 37. Methyl Ethyl Ketone |
| 22. n-Hexane | 30. Amyl Acetate | 38. Naphthalene |
| | | 39. Tetrahydrofuran |

Bases

- 40. Sodium Hydroxide (all concentrations)**
- 41. Sodium Sulfide 15%
- 42. Ammonium Hydroxide (all concentrations)

General Reagents

- | | | |
|---|-------------------------------------|---|
| 43. Sodium Hypochlorite 5% | 59. Formalin | 75. Povidone Iodine |
| 44. Calcium Hypochlorite (concentrated) | 60. Benedict's Solution | 76. Tincture of Mercurochrome |
| 45. Hydrogen Peroxide 3% | 61. Phosphate Buffered Saline (PBS) | 77. Tincture of Iodine |
| 46. Trisodium Phosphate 30% | 62. Copper Sulfate | 78. Tincture of Merthiolate |
| 47. Sodium Thiocyanate | 63. Petroleum Jelly | 79. Eucalyptol |
| 48. Zinc Chloride | 64. Alumina | 80. Procaine |
| 49. Lactated Ringers | 65. Ethylene Glycol | 81. Zephiran Chloride |
| 50. Sucrose 50% | 66. Pine Oil | 82. Zinc Oxide Ointment |
| 51. Gasoline | 67. Methyl Methacrylate | 83. Lysol |
| 52. Kerosene | 68. Alconox (Lab. Detergent) | 84. Aromatic Ammonia |
| 53. Mineral Oil | 69. Karl Fisher Reagent | 85. Thymol & Alcohol |
| 54. Vegetable Oils | 70. Urea | 86. Camphorated parachlorophenol* |
| 55. Water | 71. Naphtha | 87. Quaternary Ammonia Compounds |
| 56. Sodium Chromate | 72. Cellosolve | 88. Monsel's Solution (Ferric Subsulfate) |
| 57. Potassium Permanganate | 73. Ammonium Phosphate | 89. Sodium Azide |
| 58. Silver Nitrate | 74. Iodine | |

Stains and Indicators

- | | |
|---------------------------------|----------------------|
| 90. Bromothymol Blue | 98. Sudan III |
| 91. Phenolphthalein | 99. Nigrosine |
| 92. Methyl Red | 100. Crystal Violet |
| 93. Methyl Orange | 101. Malachite Green |
| 94. Al Eosin Blue 5% in Alcohol | 102. Cresol Red |
| 95. Gentian Violet 1% | 103. Gram Stains |
| 96. Wright's Blood Stain | 104. Safranin O |
| 97. Methylene Blue | 105. Thymol Blue |

* Causes slight change of gloss or color.

** Causes slight damage, with degree of damage proportionate to length of exposure and concentration.

