

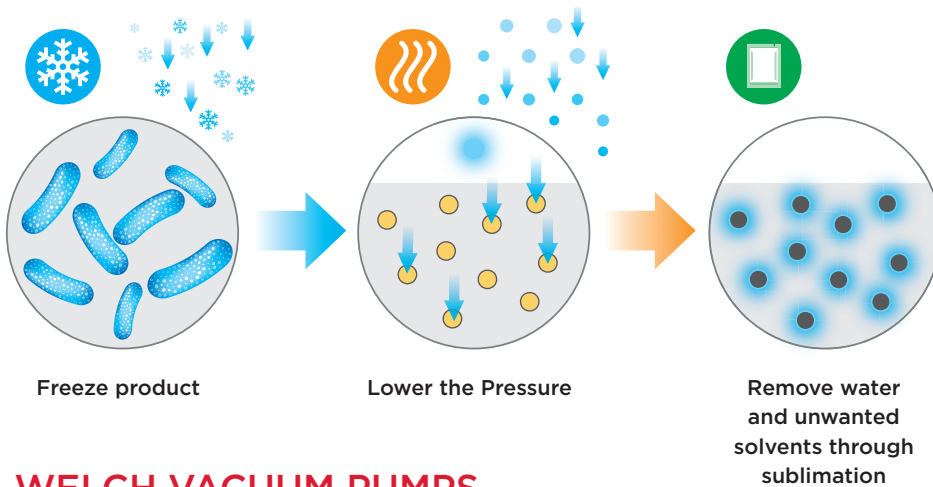
WELCH - VACUUM TECHNOLOGY FOR LABORATORY

Freeze Drying (Lyophilization)



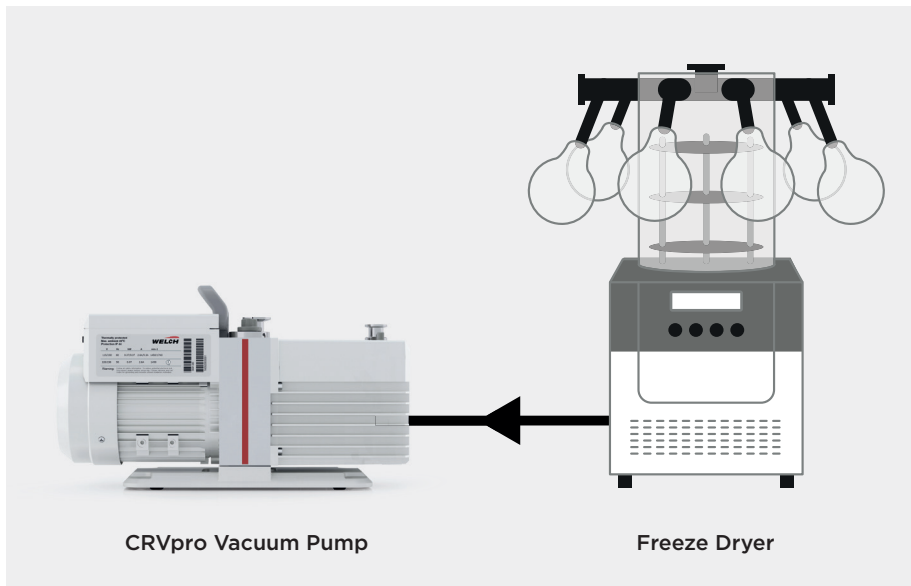
THE LYOPHILIZATION PROCESS IN 3 STEPS

Removing moisture from frozen material under the vacuum



WELCH VACUUM PUMPS

An integral part of the Lyophilization process



WHY FREEZE DRYING IS NEEDED

- ✓ To remove undesirable solvents
- ✓ To increase solubility
- ✓ To preserve structure
- ✓ To store



CRVPRO BENEFITS IN A NUTSHELL

1. **Highest reliability**
(Cool Running)
3. **Long product lifespan**
(Internal Surface Protection)
3. **Less maintenance**
(Large Oil Capacity)

CRVpro



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