

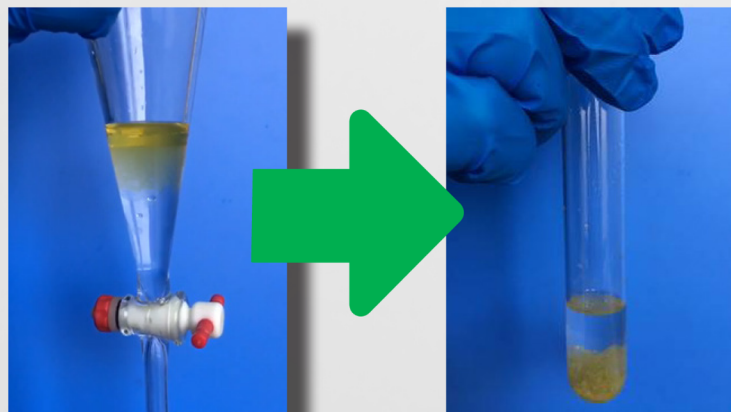


Faster Chemistry_{LLC}

Your Chemistry... Faster

**Get your chemistry done faster,
greener and more cost effectively**

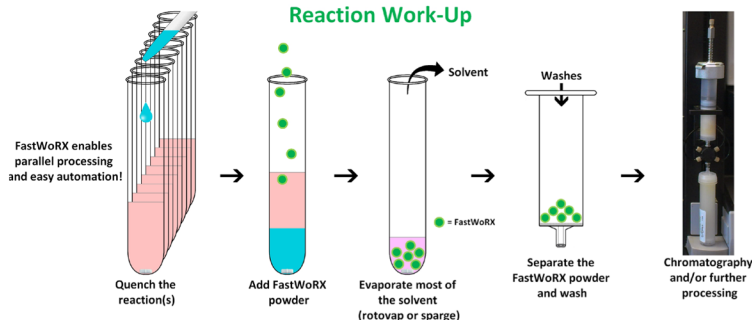
We offer a significantly better alternative to traditional liquid-liquid extraction used during reaction work-ups. Our FastWoRX products will reduce solvent use by 90% or more and work-up time by 50% or more.



Liquid-liquid extraction for work-ups after your reactions is labor intensive, consumes a significant amount of organic solvents and is not easily automated. In addition, there is possible emulsion formation that blurs the separation between liquid phases and a relatively high chance of contact with potentially hazardous solvents.

Our new FastWoRX products are a line of hydrophobic powders with an affinity for organic compounds. When added to a reaction mixture, the powder absorbs organics into its polymer coating. The resulting solid is then removed by simple filtration and target compounds are eluted with an organic solvent.

General FastWoRX Powder-Based Reaction Work-Up



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FastWoRX-based reaction work-ups have many benefits over LLE-based work-ups including:

Solvent Savings

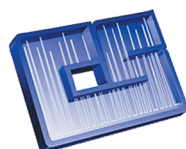
For a typical reaction conducted at 100 mg scale, 20 to 50 mL of solvent is typically needed for traditional LLE-based work-up. FastWoRX-based reaction work-up can be done with only 0–5 mL of solvent.

Time Savings

Traditional LLE-based reaction workup requires many steps such as LLE (10+ min per extraction, longer if there is emulsion formation), drying of the organic layers (20+ min), removing excess solvents with a rotovap (10 min) and loading the residue to a loading cartridge (10 min). Typically, the total time will be more than 50 min. FastWoRX-based work-ups only requires solvent removal and filtration steps– the total time will typically be 15 min or less.

Safety

Reduction in potential contact with hazardous reagents and solvents.




CHROMATOGRAPHIC SPECIALTIES INC.

www.chromspec.com


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FastWoRX™ - Forget the Separatory Funnel!



**No Sep Funnels
or LLE!**



**Slash Solvent
Use and
Disposal!**



No Emulsions!

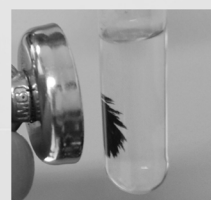
Work-Ups with a Lot Less Work



FastWoRX-S is a hydrophobic powder that absorbs most organics. It can easily and quickly be separated – along with the absorbed organics – from the aqueous phase by a simple filtration step that can be automated.



FastWoRX-M is a hydrophobic and magnetic black powder that absorbs most organics. It can easily and quickly be separated – along with the absorbed organics – from the aqueous phase by a magnet or a simple filtration. Using an electromagnet allows easy collection and release of the powder, enabling many automation possibilities.



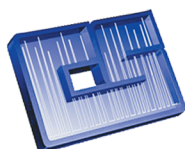
Ordering Information

<i>Catalog #</i>	<i>Description</i>	<i>Packaging</i>
FCFWRXM251	Hydrophobic and magnetic black powder	25 grams, each
FCFWRXM1001	Hydrophobic and magnetic black powder	100 grams, each
FCFWRXM1004	Hydrophobic and magnetic black powder	100 grams, 4 units
FCFWRXM2501	Hydrophobic and magnetic black powder	250 grams, each
FCFWRXM2504	Hydrophobic and magnetic black powder	250 grams, 4 units
FCFWRXS251	Hydrophobic powder that absorbs most organics	25 grams, each
FCFWRXS1001	Hydrophobic powder that absorbs most organics	100 grams, each
FCFWRXS1004	Hydrophobic powder that absorbs most organics	100 grams, 4 units
FCFWRXS2501	Hydrophobic powder that absorbs most organics	250 grams, each
FCFWRXS2504	Hydrophobic powder that absorbs most organics	250 grams, 4 units

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Patent Pending

10/18



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