

Application Focus

Pyrex® Spinbar® Glass Encapsulated Magnetic Stirring Bars Eliminate Possibility of Cross-contamination



Challenge:

Uncertainty of stirring bar
cleanliness over time

Application:

Synthetic Chemistry

Synthetic chemists require exact conditions for their reactions to proceed as expected. Introduction of a contaminant, no matter how minute, may skew the results significantly. If the contaminant is small, the chemist may not be aware that there is contamination until assessing the final product. This leads to ambiguity in product purity and reactivity.*

Example: A researcher is testing a catalyst-free reaction to determine if the reaction can be completed without its toxic catalyst. Fearing the reaction was contaminated, the experiment is repeated using a new, previously unused stirring bar. Now, it is discovered, the catalyst-free control never reaches completion.

*ACS Catal. 2019, 9, 4, 3070-3081



Solution:

Pyrex® Spinbar® Magnetic Stirring Bars
F37101-0012, F37101-7814,
F37101-0001, F37101-0112

Pyrex® Spinbar® magnetic stirring bars are effective, inert alternatives to other types of porous stirring bars that are more susceptible to damage over time. The smooth Pyrex® glass coating ensures easy cleaning and “zero absorption”. These features allow researchers to be confident in their results in the absence of cross-contamination from the stirring bar.

For more information visit:

<https://www.belart.com/pyrex-spinbar-magnetic-stirring-bars.html>