

製造：POLLYINTELL社 輸入：プラクティカル(株) <http://www.practical.jp>



Unique separation system for glutathione (GSH) adducts

A reliable solution for GSH adduct detection

In drug discovery, the potential of reactive intermediate formation is currently assessed with a reactive endogenous nucleophile such as GSH.

AFFINIMIP®SPE GSH are selective solid phase extraction cartridges for the extraction of **GSH adducts** from **hepatic microsomes** or **hepatocytes** containing an excess of GSH and drug candidates.

Separation of GSH, GSH adducts and a drug candidate with **AFFINIMIP® SPE GSH**

AFFINIMIP® SPE GSH allows the separation between GSH, GSH adduct(s) and the drug candidate.

The drug candidate is eliminated during the loading and the washing step while GSH-adduct(s) are extracted in the elution step. This collection fraction can be subject to classical analytical methods to detect GSH-adducts with a better sensitivity.

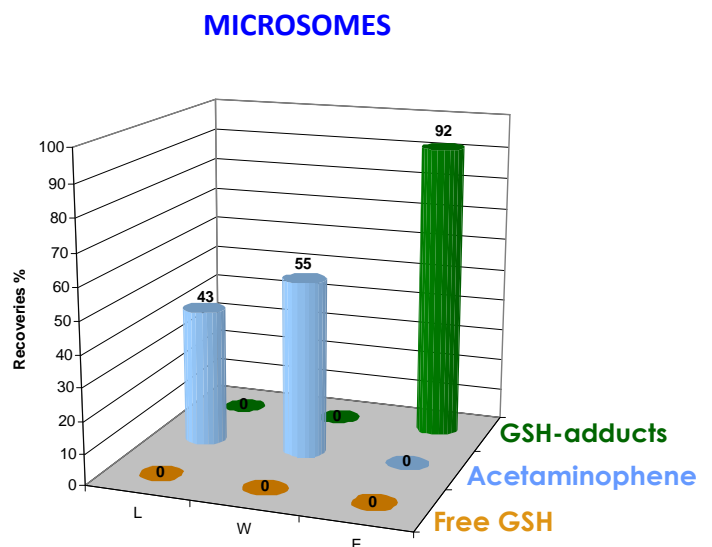
AFFINIMIP®SPE GSH permits a specific retention of free GSH which is completely removed.

Protocol Media for purification of GSH adducts

Loading: Mixture Acetonitrile – Acetic acid – incubation solution equivalent to 1mL incubation solution

Washing: Acetonitrile – Acetic acid –water

Adduct elution: Acetonitrile - Water



Recovery yields in each fraction of **AFFINIMIP®SPE GSH** for free GSH, drug and GSH adduct

Publications

[Application note - AFFINIMIP® SPE GSH](#)

For more technical details : please visit www.polyintell.com or contact us at contact@polyintell.com

Ordering information:

Catalog number: PH100-02 for 25 columns
PH100-03 for 50 columns