

Resource Summary Report

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Extraction and detection of free-gossypol in cottonseed samples

DOI:10.17504/protocols.io.krncv5e

Type: Protocol

Proper Citation

Aparecido Almeida Conceição, Clemente Batista Soares Neto, José Antônio de Aquino Ribeiro, Felix Gonçalves de Siqueira, Robert Neil Gerard Miller, Simone Mendonça 2018. Extraction and detection of free-gossypol in cottonseed samples. protocols.io dx.doi.org/10.17504/protocols.io.krncv5e

Protocol Information

URL: <https://dx.doi.org/10.17504/protocols.io.krncv5e>

Authors: Aparecido Almeida Conceição, Clemente Batista Soares Neto, José Antônio de Aquino Ribeiro, Felix Gonçalves de Siqueira, Robert Neil Gerard Miller, Simone Mendonça

Summary: This simple and rapid chromatographic detection method was developed and validated in order to accurately quantify trace levels of free gossypol in different cotton materials, including cottonseed, cottonseed cake and cottonseed cake treated with macrofungi.

Associated Publications: Conceição AA, Neto CBS, Ribeiro JAdA, Siqueira FGd, Miller RNG, Mendonça S (2018) Development of an RP-UHPLC-PDA method for quantification of free gossypol in cottonseed cake and fungal-treated cottonseed cake. PLoS ONE 13(5): e0196164. doi: [10.1371/journal.pone.0196164](https://doi.org/10.1371/journal.pone.0196164)

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External URL: <https://doi.org/10.1371/journal.pone.0196164>

Version: 1

Publication Date: 2018

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protocols.io dx.doi.org/10.17504/protocols.io.krncv5e

Record Creation Time: 20210329T220520+0000

Record Last Update: 20210329T220846+0000

Data and Source Information

Source: